

Why Piksel Otomasyon?

ENGINEERING EXPERTISE

We assess your process requirements from an engineering perspective and help you select the right products for your application.

MEASUREMENT AND CONTROL

Our flow, pressure, temperature and level instruments meet a wide range of process measurement needs.

APPLICATION-FOCUSED APPROACH

We consider the fluid, measuring range, connections and operating conditions together to develop suitable solutions.

TECHNICAL SUPPORT

We provide technical support and advice throughout product selection and use.

SYSTEM INTEGRATION

Our system integration solutions connect measurement and control instruments to your automation infrastructure.

FOCUS ON EFFICIENCY

Through accurate measurement and control, we aim to improve process efficiency, save energy and support sustainable production.

Piksel Otomasyon — Your Partner in Industrial Measurement and Control



ISO 14001



ISO 9001



ISO 45001



FLOW

Electromagnetic flow and heat meters; turbine, oval gear, ultrasonic, vortex, coriolis, variable area, open channel and thermal flow solutions; plus water meters, mechanical flow indicators and flow switches.

PRODUCT / SERIES	APPLICATION
Electromagnetic Flowmeter PKS-EMF	Flanged or clamp; conductive liquid measurement with or without a display.
Electromagnetic Heat Meter PKS-EMF-CAL	Flanged, with digital display; heating and cooling energy monitoring.
Turbine Flowmeter PKS-TBF	Threaded, flanged or clamp; flow measurement in clean liquids.
Oval Gear Flowmeter PKS-OGF	Compact or with display; volume measurement in oils and viscous liquids.
Ultrasonic Flowmeter PKS-FLW-USF	Wall, handheld, DIN rail and printer versions; external pipe measurement.
Vortex Flowmeter PKS-VOR	Flanged or wafer, with LCD; steam, gas and liquid measurement.
Coriolis Mass Flowmeter PKS-CMF	Various body geometries; mass flow and dosing monitoring.
Open Channel Flowmeter PKS-OCF	Flow calculation using a level sensor and separate controller.
Thermal Mass Flowmeter PKS-TMF	Inline, insertion and remote display; gas consumption monitoring.
Variable Area Flowmeter PKS-ROT	Clear or metal tubes, contacts and control valves for flow monitoring.
Water Meters PKS-WTR-SJ / MJ / WM	Single-jet, multi-jet and Woltman; hot and cold water consumption.
Mechanical Flow Indicators Sight Glass Types	Flanged bodies for visual observation of flow in the pipeline.
Flow Switches PKS-FLW-IFS / TBS	Thermal, insertion, T-body and inline types; flow threshold control.

LET US SELECT THE RIGHT SOLUTION

Tell us the fluid type, flow range, operating pressure and temperature, and DN/connection size. Specify your requirements for instantaneous measurement, consumption monitoring or batching, including displays and automation. Together, we will select the right measuring principle and model.

1. FLOW

1.1 ELECTROMAGNETIC FLOWMETER

PKS-EMF Series

Flow measurement for water, wastewater and conductive process liquids.



Remote Flanged
Magnetic Flowmeter



PTFE-Lined Flanged
Magnetic Flowmeter



Hard Rubber-Lined
Magnetic Flowmeter



Stainless Steel Flanged
Magnetic Flowmeter



Clamp Connection
Magnetic Flowmeter

The PKS-EMF series measures volumetric flow in water, wastewater and conductive process liquids. Lining and electrode materials are selected to suit the fluid's chemical properties.

PKS-EMF-CS is the carbon steel series, PKS-EMF-SS is stainless steel and PKS-EMF-HG is hygienic. CS-TF denotes PTFE (Teflon) lining; CS-HR denotes hard rubber. The images show flanged and hygienic clamp models. The model without an integral display is the remote type.

Key Features and Options

- PTFE or hard rubber lining: selected for the fluid and operating temperature.
- DN4–DN1000: series for small process pipes through to large mains.
- Electrode options: materials matched to the fluid's chemical properties.
- Backlit LCD and keypad: local readings and instrument configuration.
- Local or remote display: convenient access at the installation point.
- Pulse and 4–20 mA outputs transmit readings to the control system.
- Modbus RS-485: digital communication with automation systems.
- Hygienic clamp connection and insertion solutions.



Flow Display



Batch Control
Panel

Technical Specifications

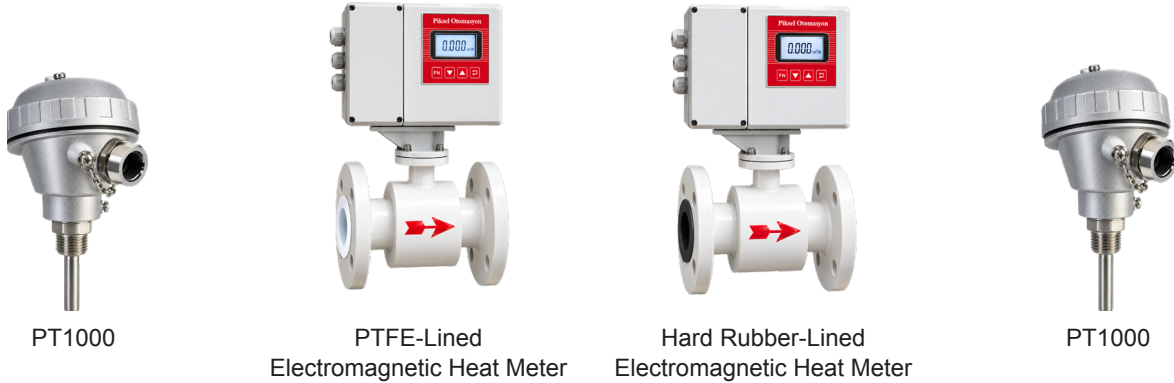
Parameter	Technical Data / Options
Measuring Principle	Electromagnetic
Connection Diameter	CS: DN4–DN1000; SS / HG: DN10–DN300
Lining	PTFE (Teflon) or hard rubber
Electrode Materials	SS316L, Hastelloy C, titanium or tantalum
Screen	Backlit LCD on models with a display
User Interface	Menu and function keypad
Display Arrangement	Local or remote
Output Signals	Pulse, 4–20 mA
Communication Interface	Modbus RS-485; optional HART / Profibus DP / PA
Ingress Protection	Model-dependent; remote IP68 option: PKS-EMF-OPT-REM
Supply Voltage	24 VDC / 220 VAC

1. FLOW

1.2 ELECTROMAGNETIC HEAT METER

PKS-EMF-CAL Series

Monitor energy consumption in heating and cooling systems.



The PKS-EMF-CAL series combines electromagnetic flow measurement with energy monitoring in heating and cooling circuits. Flow and supply/return temperatures are evaluated by a compatible calculator.

The image shows a flanged electromagnetic heat meter with a digital display. The PKS-EMF-CAL-CS series has a carbon steel body with TF (PTFE) or HR (hard rubber) lining options.

Key Features and Options

- Energy monitoring: track consumption in heating or cooling circuits.
- Electromagnetic flow sensor: volumetric flow in conductive liquids.
- Temperature sensors measure inlet/outlet temperatures for energy calculation.
- Separate calculator: flexible installation, especially on large pipelines.
- M-Bus / Modbus RS-485 or energy pulse output: model-dependent remote monitoring.
- Water mixtures: dedicated calculation software options for the fluid properties.

Technical Specifications

Parameter	Technical Data / Options
Product Type	Electromagnetic heat meter
Application	Heating or cooling systems
Flow Measuring Principle	Electromagnetic; energy calculation with suitable temperature sensors
Display	Local or remote display
Communication Options	Model-dependent M-Bus / Modbus RS-485 / pulse (energy)
Special Fluid Applications	Non-water fluids and water mixtures with suitable dedicated software
Supply Voltage	24 VDC / 220 VAC

The flow sensor, temperature sensors and calculator must be compatible for energy measurement. For non-water fluids or mixtures, specify composition and mixing ratio, and verify sensor and calculation software suitability.

Selecting the Right Heat Meter

Consider the heating/cooling application, flow range, pipe diameter, supply/return temperatures, pressure and fluid together. Specify the installation point, display location and automation connection.

1. FLOW

1.3 TURBINE FLOWMETER

PKS-TBF Series

Volumetric flow measurement for clean, low-viscosity liquids.



Flanged Turbine Flowmeter with Display



Flanged Turbine Flowmeter



Hygienic Turbine Flowmeter



Threaded Turbine Flowmeter



Batch Control Panel

Turbine flowmeters measure volumetric flow in clean, low-viscosity liquids. The images show flanged, threaded and hygienic clamp versions, with displays or wired sensors.

PKS-TBF-SS-TH is the threaded stainless steel series; PKS-TBF-SS-FL is flanged. PKS-FLW-OPT-DISP-HART and PKS-FLW-OPT-DISP-MOD display options provide HART and Modbus RS-485 communication respectively.

Key Features and Options

- Low viscosity: suitable for clean, free-flowing liquids.
- SS304 or SS316 body: stainless steel selected for fluid compatibility.
- DN2–DN200: options for different pipe diameters, depending on the model.
- With or without display: local readings or transmission to automation.
- Battery or 24 VDC: power options for models with displays.
- Pulse, 4–20 mA and digital communication: model-dependent system connection.
- Explosion-proof models: verify suitability for the hazardous area classification.

Technical Specifications

Parameter	Technical Data / Options
Measuring Principle	Turbine
Measurable Fluids	Conductive or non-conductive, low-viscosity liquids
Connection Diameter	DN2–DN200
Body Material	SS304 or SS316
Operating Temperature	Up to 150 °C on suitable models
Operating Pressure	Up to 63 bar on suitable models
Display	With or without display
Power — Display Models	Battery or 24 VDC
Output — No Display	Pulse or 4–20 mA
Output / Comms — Display Models	Model-dependent pulse, 4–20 mA; Modbus RS-485 or HART
Special Model Option	Explosion-proof

1. FLOW

1.4 OVAL GEAR FLOWMETER

PKS-OGF Series

Volumetric flow measurement in oils and viscous liquids.



Oval Gear Flowmeter



Oval Gear Flowmeter



Stainless Steel
Oval Gear Flowmeter



Oval Gear Flowmeter
with Display



Batch Control
Panel

Oval gear flowmeters measure liquid volume, particularly in oils and viscous fluids. The images show compact wired/plug-in models, a digital display model and a separate batch control panel. The panel uses the measurement signal to control batching.

Key Features and Options

- Viscous liquid measurement: select the right model for oils and similar process fluids.
- Pulse output: transmit readings to a compatible counter or dosing controller.
- Material options: aluminium or stainless steel body to suit the fluid.

Technical Specifications

Parameter	Technical Data / Options
Measuring Principle	Positive displacement — oval gear
Body / Rotor	Aluminium or stainless steel, depending on the model
Connection	Threaded DN4–DN50 / flanged DN20–DN150
Signal	Pulse output; check electrical compatibility for each model
Operating Limits	Verify flow, viscosity, temperature and pressure for the model

Applications and Selection

For liquid transfer and dosing in the oil, chemical, food, textile, paint and petroleum industries. Consider flow, viscosity, temperature, pressure and material compatibility together.

Installation Considerations

Use a pre-filter, keep the meter full of liquid and position the rotor as instructed by the manufacturer. Air and particles may affect measurement.

1. FLOW

1.5 ULTRASONIC FLOWMETER

PKS-FLW-USF Series

Portable or fixed ultrasonic flow measurement in liquids.



Wall-Mounted
Ultrasonic Flowmeter



Portable
Ultrasonic Flowmeter



DIN Rail
Ultrasonic Flowmeter



Inline
Ultrasonic Flowmeter

Ultrasonic flowmeters serve process liquids, demineralised/deionised water lines and heating/cooling circuits. The transit-time principle determines flow velocity from the difference in ultrasonic signal travel times. The PKS-FLW-USF series includes the WALL wall-mounted, PORT handheld kit, DIN rail and PRNT printer versions. External pipe sensors are selected with the instrument for portable checks or continuous measurement.

Key Features and Options

- Clean, homogeneous liquids: flow monitoring in process and heat metering systems.
- No moving parts: reduces maintenance associated with mechanical wear.
- Clamp-on: external pipe sensors measure without contact with the fluid.
- Inline: installation in the pipe via flanged or threaded connections.
- Portable kits for checks at different points; fixed units for continuous monitoring.
- 4–20 mA, pulse and alarm: model-dependent measurement and status outputs.
- Modbus RS-485: digital automation connection on suitable models.

Technical Specifications

Parameter	Technical Data / Options
Measuring Principle	Ultrasonic transit-time
Measurable Fluids	Clean, homogeneous liquids
Mounting Options	Clamp-on or inline
PORT / PRNT Kit Ranges	PORT: DN15–DN1000; PRNT: DN15–DN6000
Connection Diameter — Inline	DN25–DN700
Inline Connection Options	Flanged or threaded
Pressure Options	10, 16 or 25 bar, depending on the model
Temperature Options	Suitable for 90 °C or 160 °C, depending on the model
Display — Clamp-on	Wall-mounted or portable handheld unit
Display — Inline	Wall-mounted or local
Output Signals	4–20 mA, pulse, alarm
Communication	Modbus RS-485
Supply Voltage	24 VDC / 220 VAC

The flow sensor, temperature sensors and calculator must be compatible for energy measurement. For non-water fluids or mixtures, specify composition and mixing ratio, and verify sensor and calculation software suitability.

1. FLOW

1.6 VORTEX FLOWMETER

PKS-VOR Series

Flow measurement in liquid, gas and steam lines.

Vortex flowmeters monitor flow and processes in industrial liquid, gas and steam lines. For steam distribution and high-temperature processes, select a series and equipment suited to the operating conditions.

The images show flanged and wafer bodies with LCD displays. PKS-VOR-SS-WF is the wafer series; PKS-VOR-SS-FL is flanged. TPC denotes temperature/pressure compensation, HART communication, EXD protection and HT350 the high-temperature option.



Flanged
Vortex Flowmeter



Wafer
Vortex Flowmeter

Key Features and Options

- Liquids, gases and steam: select a model suited to the fluid.
- Stainless steel body: construction for industrial pipelines.
- Flanged or wafer: match the pipe connection arrangement.
- DN15–DN300: diameter options in the WF and FL series.
- Insertion type: selected for project and installation conditions.
- LCD: view measured values locally.
- Pulse, 4–20 mA and Modbus RS-485: transmit data to automation.
- HART option: communicate with compatible control systems.
- TPC option: account for temperature and pressure changes in calculations.

Technical Specifications

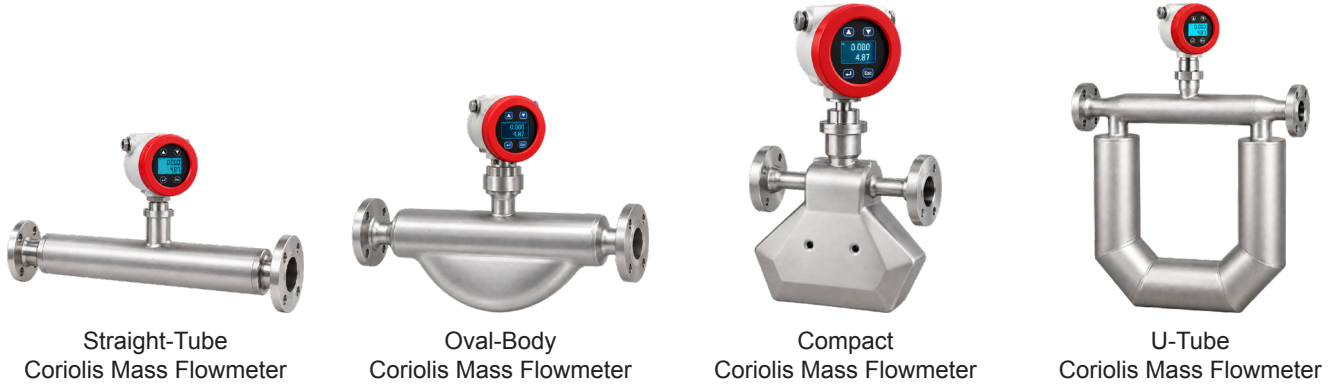
Parameter	Technical Data / Options
Measuring Principle	Vortex
Measurable Fluids	Liquids, gases and steam
Body Material	Stainless steel
Connection Options	Flanged or wafer
Standard Diameter Range	WF / FL models: DN15–DN300
Insertion Models	Project-specific; series code determined separately
Operating Temperature	HT350 option: up to 350 °C; standard limit depends on model
Operating Pressure Options	WF: PN25; FL: PN16
Power Supply	24 VDC
Ingress Protection	IP65
Display	Models with LCD display
Output Signals (LCD)	Pulse, 4–20 mA
Communication Interface (LCD)	Modbus RS-485
Optional Communication	HART
Measurement Options	Optional temperature and pressure compensation

1. FLOW

1.7 CORIOLIS MASS FLOWMETER

PKS-CMF Series

Direct mass flow measurement for batching, dosing and transfer.



Coriolis mass flowmeters directly measure mass flow in liquids and gases and monitor batching and dosing quantities. They measure mass flow, density and temperature; volumetric flow is calculated from these readings.

The PKS-CMF series includes T (triangular), U and Z (straight) types. Stainless steel T and U versions are offered as PKS-CMF-SS-T / SS-U. Select the type and diameter for the flow range and process conditions.

Key Features and Options

- Direct mass flow: monitor batching and dosing by mass.
- Density and temperature: track process changes with the same instrument.
- DN3–DN150: series-dependent flow and pipe diameter options.
- SS316L or Hastelloy C: materials selected for fluid chemistry.
- Touchscreen LCD: local readings and configuration.
- 4–20 mA and pulse: transmit readings to the control system.
- Modbus RS-485 and HART: model-dependent digital communication.

Technical Specifications

Parameter	Technical Data / Options
Measuring Principle	Coriolis
Measured Variables	Mass flow, volumetric flow, density, temperature
Connection Diameter	CMFT: DN3–DN15; U: DN20–DN150; Z: DN8–DN80
Operating Pressure Options	16, 25, 40 or 100 bar
Liquid Measurement Accuracy	±0.1%–±0.2%
Gas Measurement Accuracy	±0.5%
Wetted Materials	SS316L or Hastelloy C
Body Housing	SS304 or SS316
Display	Touchscreen LCD
Output Signals	4–20 mA, Pulse
Communication	Modbus RS-485, HART
Supply Voltage	24 VDC / 220 VAC

PKS-COR-SS-FL and V-type options may also suit the application. HART, remote converter, temperature and clamp options depend on the model. Verify accuracy and pressure ratings for the selected flow range and operating conditions.

1. FLOW

1.8 OPEN CHANNEL FLOWMETER

PKS-OCF Series

Monitor instantaneous flow and total water volume in open channels.



Open Channel Controller



Ultrasonic Level Sensor



Controller and Sensors

Open channel flowmeters derive water and wastewater flow from level. The images show a separate digital controller and a non-contact level sensor, used with a primary measuring structure matched to the channel geometry. The PKS-OCF sensor measures liquid level without contact. The controller converts this into flow using the weir or flume geometry, displaying instantaneous flow and total volume. Select the hydraulic structure, sensor and controller together as a system.

Key Features and Options

- Instantaneous flow and total volume: monitor channel load and water throughput.
- Ultrasonic or radar: non-contact level measurement suited to site conditions.
- Compatible with rectangular weirs, V-notch weirs and Parshall flumes.
- Standard or custom measuring structures matched to the channel dimensions.
- Pulse and 4–20 mA: model-dependent outputs to automation.
- Modbus RS-485: digital communication on suitable models.

Technical Specifications

Parameter	Technical Data / Options
Application Type	Liquid flow measurement in open channels
System Components	Hydraulic primary element, level sensor, digital controller
Hydraulic Primary Element	Weir suitable for the application
Weir Supply	Standard or custom-built to the technical specifications
Custom Fabrication Materials	Concrete or metal
Output Signals	Model-dependent pulse and 4–20 mA
Communication Interface	Model-dependent Modbus RS-485

Flow range and system accuracy depend on the geometry of the measuring structure, sensor selection and installation. Position the sensor correctly and enter the channel dimensions accurately in the controller.

1. FLOW

1.9 THERMAL MASS FLOWMETERS

PKS-TMF Series

Monitor gas flow, consumption and process performance.



Inline Thermal
Mass Flowmeter



Insertion Thermal
Mass Flowmeter



Thermal Mass Flowmeter
with Remote Display

Thermal mass flowmeters measure gas flow using heat transfer. The images show flanged inline, insertion and remote display versions. Gas type, composition and installation conditions determine instrument selection.

Key Features and Options

- Mass flow monitoring: track gas flow to meet process requirements.
- Consumption monitoring: assess gas use by pipeline and equipment.
- Automation connection: transmit readings using suitable output hardware.

Technical Specifications

Selection Parameter	Information Required
Series / Full Model Code	Selected at quotation stage based on application details
Fluid to Be Measured	Fluid type and composition
Flow Range	Minimum / normal / maximum flow and unit
Installation	Flanged inline, insertion or remote display configuration
Operating Conditions	Temperature and pressure limits
Electrical Equipment	Power supply, outputs and communication
Performance	Accuracy and calibration conditions
Supply Voltage	24 VDC / 220 VAC

Changes in gas composition, moisture, condensation and contamination may affect suitability. Verify gas compatibility, calibration, flow range, temperature/pressure limits and electrical equipment together for the selected model.

1. FLOW

1.10 VARIABLE AREA FLOWMETERS

PKS-ROT Series

Practical solutions for local monitoring of liquid and gas flow.



Plastic
Rotameter
with Contacts



Plastic
Rotameter



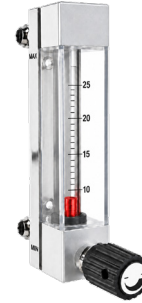
Flanged
Rotameter



Glass-Tube
Rotameter



Metal-Tube
Rotameter



Metal
Rotameter
with Valve



Acrylic
Rotameter
with Valve

Rotameters provide local liquid and gas flow monitoring. Plastic, glass or metal tubes are selected for fluid compatibility in water treatment, filtration, chemical, food and irrigation applications.

The images show clear tubes with or without limit contacts, flanged and metal-tube models, and panel types with control valves. PKS-ROT LZS, LZB, LZM and VA options are selected with suitable scales and connections.

Key Features and Options

- Liquid and gas measurement: select a scale for the fluid and flow range.
- Plastic, glass or metal tube: match chemical compatibility and process conditions.
- DN4–DN150: model-dependent options for different pipe diameters.
- Threaded or flanged: select for the pipe connection.
- Limit contacts: monitor flow thresholds on suitable models.
- 4–20 mA: transmit readings to automation on suitable models.
- LZM models with control valves: manual flow adjustment.

Technical Specifications

Parameter	Technical Data / Options
Measuring Principle	Variable area
Product Type	Clear tube, metal tube, contact and control valve options
Measurable Fluids	Liquids and gases
Tube Options	Plastic, metal or glass
Connection Diameter	DN4–DN150
Connection Type	Threaded or flanged
Operating Temperature	Within -80°C to $+200^{\circ}\text{C}$, depending on the model
Operating Pressure	Up to 40 bar on suitable models
Contact Output	Model-dependent limit contacts
Analogue Output	Model-dependent 4–20 mA

LZS-TH has threaded connections; LZS-ST has solvent-weld connections. Plastic tube model codes begin with PKS-ROT-PL. Temperature, pressure and outputs vary by model; assess the stated limits for each series.

1. FLOW

1.11 WATER METERS

PKS-WTR SERIES

Metering solutions for water consumption, irrigation and controlled batching.



Woltman
Cold Water Meter



Multi-Jet
Cold Water Meter



Single-Jet
Cold Water Meter



Single-Jet
Hot Water Meter



Multi-Jet
Hot Water Meter



Woltman
Hot Water Meter



Pneumatic
Ball Valve



Meter
M-Bus Module



Rod-Type
Pulse Sensor



Clip-On
Pulse Sensor



Meter
Connection Union

The PKS-WTR series offers hot and cold water meters for residential, commercial, industrial and infrastructure applications. Select a suitable series to monitor water consumption and usage in individual pipelines.

The range comprises Single-Jet (SJ), Multi-Jet (MJ) and Woltman (WM) series.

Key Features and Options

- Diameter range: DN15–DN200 by series (DN: nominal connection size).
- Cold water: model-dependent operating range of 0–30 °C or 0–50 °C.
- Hot water: maximum 90 °C or 130 °C, depending on the series.
- Pulse output: transmit consumption data to automation and counters.
- M-Bus: remote meter reading on suitable models.
- Modbus RS-485: digital communication with automation systems.
- Batch control: select the meter, output and control panel together.

Technical Specifications

Meter / Equipment	Diameter / Series	Application / Selection Purpose
Single-jet	DN20 • PKS-WTR-SJ	Water consumption monitoring in residential and commercial systems
Multi-jet	DN15–DN50 • PKS-WTR-MJ	Water volume measurement in domestic and industrial lines
Woltman	DN50–DN200 • PKS-WTR-WM	Large pipelines, facility inlets and municipal applications
Batching Equipment	Meter, control panel and valve	Batching to a target quantity; valve selected separately

1. FLOW

1.12 MECHANICAL FLOW INDICATORS

Mechanical Flow Monitoring Solutions

A practical solution for observing flow locally in the pipeline.



Metal-Body Flanged
Flow Indicator



Metal-Body Tubular
Flow Indicator



Flanged
Flow Indicator



Window-Type
Flow Indicator



Hygienic
Flow Indicator

Piksel Otomasyon offers mechanical sight glass indicators for observing flow in pipelines. The images show flanged options with different glass and body arrangements. Connections, materials and mounting direction are selected for the application.

Key Features and Options

- Local observation: visually monitor flow in the pipeline.
- Site checks: observe flow during commissioning and operation.
- Application-specific selection: match connections, body and wetted materials.

Technical Specifications

Selection Parameter	Information Required
Series / Model Code	Selected at quotation stage for the application
Indicator Configuration	Sight glass; flanged and various body arrangements
Pipe Connection	Diameter, connection type and mounting direction
Body / Wetted Materials	To be selected for the fluid
Operating Limits	Pressure, temperature and suitable flow range
Measurement / Output	Visual monitoring; numerical readings and signals assessed separately

The primary function is visual flow monitoring. If a numerical flow reading or automation signal is required, specify this separately and consider a suitable flowmeter or flow switch.

1. FLOW

1.13 FLOW SWITCHES

PKS-FLW-IFS / PKS-FLW-TBS Series

Detect flow status and send a signal to your control system.



Wired Plastic
Flow Switch



T-Body
Flow Switch



Stainless Steel
Insertion Flow Switch



Plastic Insertion
Flow Switch



Thermal
Flow Switch



Metal-Body
Flow Switch



Plastic-Body
Flow Switch

Flow switches produce an on/off signal according to flow status. The images show thermal, T-body, stainless steel and plastic insertion, wired plastic and inline versions. Select the right option for the mounting method, fluid and flow range.

Key Features and Options

- Insertion type: SS304, plug-in PP or wired PP options.
- T-body type: metal or plastic; optional illuminated connector by model.
- Inline type: PP, PVC or stainless steel body to suit the pipework.
- Thermal and fire-system flow switches: application-specific options.

Technical Specifications

Type / Series	Material / Connection / Options
Insertion • PKS-FLW-IFS	SS304 / PP / PPX; DN50, 80, 100, 150, 200; R 1/2"
T-body type	Metal / plastic options; connection size depends on model
Illuminated connector • PKS-FLW-TBS-OPT-LED	Option for the T-body series
Inline • PKS-FLW-IFS-PP-R12	PP; R 1/2" male; 100 °C
Inline • PKS-FLW-IFS-PVC-R12	PVC; R 1/2" male; 60 °C
Inline • PKS-FLW-IFS-SS-R12	Stainless steel; R 1/2" male; horizontal mounting; 150 °C
Thermal / Fire-System Flow Switch	Model and equipment selected for the application conditions

Temperature ratings apply only to the corresponding inline model. Verify switching flow, contact rating, pressure resistance and fluid compatibility together. For fire protection applications, check the required system suitability separately.



PRESSURE

Continuous measurement with pressure and differential pressure transmitters, switching control with pressure switches, and direct local readings with pressure gauges and thermometers.

PRODUCT / SERIES	APPLICATION
Threaded / Clamp Pressure Transmitters PKS-PT	Continuous pressure measurement; local display and cooling element options.
Process Differential Pressure Transmitters Differential Pressure Solutions	Measure the difference between two points using direct or diaphragm seal connections.
Digital Air Differential Pressure Transmitter Type with Display	Display and automation monitoring of differential pressure in air lines.
Pressure Switches Compact / Box / Round Body	On/off contact control at the set pressure threshold.
Mechanical Differential Pressure Switch Adjustment Dial Type	Differential pressure output control in ventilation and filters.
Digital Pressure Gauge Digital Pressure Display	Digital pressure reading at the measuring point.
Pressure Gauge with Contacts Mechanical Dial Display	Local pressure reading; contact control within the selected range.
Dial Thermometer Mechanical Temperature Display	Direct reading of process temperature within the selected range.

LET US SELECT THE RIGHT SOLUTION

Tell us the pressure type and range, fluid, temperature and connection size. Specify whether you need a transmitter for continuous measurement, a switch for threshold control or a gauge for local readings. Together, we will select a model for the output signal and site conditions.

2. PRESSURE

2.1 PRESSURE TRANSMITTERS

PKS-PT Series

Measure process pressure and transmit data to your automation system.



Pressure Transmitter
with Display



Standard
Pressure Transmitter



Transmitter
Cooling Element



Hygienic
Pressure Transmitter



Flush-Diaphragm
Pressure Transmitter

Pressure transmitters convert process pressure into an electrical signal. The images show threaded and clamp models, a local display and a separate cooling element. Select a flush diaphragm according to fluid viscosity and build-up characteristics.

PKS-PT-SS-TH is the standard threaded series; PKS-PT-SS-FLS has a flush diaphragm for viscous or deposit-forming fluids. The full model code depends on the measuring range, connection and output.

Key Features and Options

- 100 mbar–1000 bar: model options for different pressure levels.
- AISI 316L body: stainless steel construction.
- 4–20 mA: transmit readings to the control system; 8–28 VDC supply.
- Threaded connections: 1/4" or 1/2" standard; 1/2" or 1" flush series.
- 0–10 VDC: alternative for compatible inputs in the standard series.
- Head-mounted display and cooling element: local readings and suitable accessories.

Technical Specifications

Parameter	Technical Data / Options
Standard Series	PKS-PT-SS-TH • 1/4" or 1/2" threaded
Flush-Diaphragm Series	PKS-PT-SS-FLS • 1/2" or 1" threaded
Measuring Range Options	100 / 250 / 400 / 600 mbar; -1 / 1 / 1.6 / 2.5 / 4 / 6 / 10 / 16 / 25 / 40 / 60 / 100 / 250 / 400 / 600 / 800 / 1000 bar
Process Connection	Threaded standard/flush models; clamp option for hygienic applications
Body Material	AISI 316L stainless steel
Operating Temperature	-40...+120 °C
Error Limit	Maximum 0.5%
Electrical Output	TH: 4–20 mA or 0–10 VDC; FLS: 4–20 mA
Power Supply	8–28 VDC

Display and Accessory Options

- PKS-BG-420 / PKS-BG-420R: loop-powered 4–20 mA LCD display. Adjustable scale, alarm and pressure unit; the 420R has 2 contact outputs.
- PKS-PT-SC-1412 / PKS-PT-SC-1212: 107 mm cooling elements rated to 250 °C and 600 bar. Connections are 1/4" female–1/2" male and 1/2" female–1/2" male respectively.

2.2 DIFFERENTIAL PRESSURE TRANSMITTERS

Differential Pressure Measurement Solutions

Monitor the pressure difference between two measuring points.



Flanged Diaphragm
Pressure Transmitter



Dual Diaphragm
Differential Pressure Transmitter



Process Differential
Pressure Transmitter



Digital Differential
Pressure Transmitter

Differential pressure transmitters continuously measure the pressure difference between two points and transmit it to automation. Process, remote diaphragm seal and digital air-line models serve different applications; select for the fluid and measuring range.

Key Features and Options

- Continuous differential pressure monitoring: track changes between two points.
- 4–20 mA or 0–10 V: transmit analogue data to compatible control inputs.
- Modbus RS-485: digital automation connection on suitable models.

Technical Specifications

Parameter	Technical Data / Options
Product Type	Differential pressure transmitter / sensor
Analogue Output	4–20 mA or 0–10 V
Communication	Modbus RS-485; interface details depend on the model
Series / Model Code	Selected at quotation stage for the application
Measuring Range and Accuracy	To be determined during model selection
Process Connection	Direct connection or diaphragm seals, suited to both pressure points
Power / Ambient Limits	Verify in the product datasheet

Select the measuring range, process connection, power supply and outputs together for the application. Verify the exact model and operating limits in the product datasheet.

2. PRESSURE

2.3 PRESSURE SWITCHES

Pressure Control and Switching Solutions

Switching solutions for on/off control at a pressure threshold.



Compact
Pressure Switch



Adjustable
Pressure Switch



Mechanical
Pressure Switch

Pressure switches change contact state at a set pressure. The images show compact plug-in, box types with an adjustment scale, and round-body versions. Determine the on/off thresholds, connection and electrical load together.

Key Features and Options

- Material options: brass, stainless steel or plastic to suit the fluid.
- Pressure threshold monitoring: generate a control signal at the required level.
- Contact selection: match the control input and electrical load.

Technical Specifications

Parameter	Technical Data / Options
Product Group	Compact plug-in, box and round-body switches
Material Options	Brass / stainless steel / plastic
Series / Model Code	Selected at quotation stage for the application
Adjustment Range	To be determined for the selected model
Switching Differential	Difference between switch-on and switch-off pressures; model-dependent
Electrical Configuration	Verify contact / output type and load rating
Process Conditions	Fluid, connection, temperature and pressure resistance

Assess the adjustment range separately from the maximum pressure the instrument can withstand. Check seals and wetted materials as well as the body for fluid compatibility. Verify operating temperature and electrical rating for the selected model.

2.4 DIFFERENTIAL PRESSURE SWITCHES

Differential Pressure Control Solutions

On/off signals based on the pressure difference between two points.



Mechanical Differential Pressure Switch

Differential pressure switches provide a contact signal when the difference between two measuring points reaches the set threshold. The image shows a mechanical type with an adjustment dial. For ventilation and filter monitoring, select for the fluid and pressure range.

Key Features and Options

- Threshold monitoring: switch at the required differential pressure.
- Contact output: send a signal to a compatible alarm or control circuit.
- Application-specific selection: match adjustment range, connection and electrical load.

Technical Specifications

Parameter	Technical Data / Options
Product Type	Mechanical differential pressure switch with adjustment dial
Output	Contact Output
Series / Model Code	Selected at quotation stage for the application
Differential Pressure Setting Range	To be determined for each model
Contact configuration and rating	Verify in the product datasheet
Connection and Fluid	Select for the application
Static Pressure / Temperature	Verify for the selected model

Select the switching threshold, reset point and contact rating together. Differential pressure setting range and pipeline static pressure are different; the instrument must suit both. For continuous numerical measurement, consider a differential pressure transmitter.

2. PRESSURE

2.5 PRESSURE GAUGES AND THERMOMETERS

Pressure and Temperature Display Solutions

Read pressure and temperature easily at the measuring point.



Pressure Gauge with Contacts



Digital Pressure Gauge



Dial Thermometer

Piksel Otomasyon offers instruments for local pressure and temperature readings. The images show a digital pressure gauge, a pressure gauge with contacts and a stem-type dial thermometer. Gauges indicate pressure and thermometers indicate temperature; contacts provide threshold control.

Key Features and Options

- Local readings: monitor pressure or temperature at the measuring point.
- Suitable scale: bar for pressure, °C for temperature and the right measuring range.
- Readable display: match dial diameter and connection position to the installation.

Technical Specifications

Selection Parameter	Information Required
Display Options	Digital pressure gauge, gauge with contacts, dial thermometer
Scale	Pressure or temperature range; bar / °C
Display	Dial diameter and viewing direction
Connection	Thread and connection direction; thermometer stem diameter / insertion length
Material	Body and wetted components
Performance	Accuracy; threshold and contact rating for contact models
Operating Conditions	Fluid, temperature, pressure and vibration

Consider normal operating pressure, maximum pressure and pressure surges together. Wetted materials must suit the temperature and vibration conditions. Confirm the scale range and accuracy class for the selected model.



TEMPERATURE

Headed, bayonet, threaded and surface temperature sensors, with head-mounted transmitters and temperature/humidity transmitters for measurement and monitoring.

PRODUCT / SERIES	APPLICATION
Headed Temperature Sensors PKS-TMP-RTD-SS	Immersion probes for process temperature, with various heads and probe lengths.
Head-Mounted Transmitters PKS-TMP-TRN-420 / 420PR	Convert sensor signals to a 4–20 mA signal for automation systems.
Bayonet Thermocouple PKS-TMP-TC-BAY	Bayonet temperature measurement on machinery and process points.
Bayonet Pt100 PKS-TMP-RTD-BY / BAY	Temperature monitoring using a bayonet connection and wired probe.
Threaded Wired Temperature Sensors PKS-TMP Series	Compact sensors for measuring points requiring a threaded connection.
Surface / Ring Lug Temperature Sensors PKS-TMP Series	Surface temperature monitoring with a sensor fixed to the mounting surface.
Temperature / Humidity Transmitters PKS-TMP-TH-ESN77	Ambient temperature and humidity monitoring, with or without a display.

LET US SELECT THE RIGHT SOLUTION

Tell us the temperature range, medium, mounting method, probe length and required output. Specify Pt100 or thermocouple compatibility, transmitter requirements and any humidity measurement needs. Together, we will select the sensor and connection.

3. TEMPERATURE

3.1 TEMPERATURE SENSORS

PKS-TMP Series

From measurement to control: temperature solutions for your application.



PT100 with
DIN 43650
Connector



PT100 with
M12 Connector



Headed
PT100



Headed
PT100



Headed
PT100



Head-Mounted
Temperature
Transmitter



Bayonet
Thermocouple



Bayonet
PT100



Threaded
Temperature
Sensor



Surface
Temperature
Sensor



Temp. / Humidity
Transmitter
with Display



Temperature /
Humidity
Transmitter

Piksel Otomasyon offers PT100 sensors with DIN 43650 and M12 connectors, headed PT100s, and bayonet, threaded and surface temperature sensors. The images also show head-mounted and temperature/humidity transmitters. Select sensor and connection types for the application and measuring instrument.

Key Features and Options

- Connector PT100: DIN 43650 or M12 connection.
- Headed PT100: SS316; 1/2" union; single/dual element; HT: -40...+600 °C.
- Headed probes: Ø6/Ø8 mm; 50–1000 mm lengths and custom sizes.
- Bayonet PT100 and thermocouples: 1–5 m cables to suit the mounting point.
- Threaded and ring lug probes: temperature monitoring at the mounting point or surface.
- 4–20 mA: transmit readings to automation with a suitable head-mounted transmitter.

Technical Specifications

Product Group	Series / Code Family	Options
Connector PT100	PKS-TMP Series	DIN 43650 / M12; threaded connection
Headed PT100	PKS-TMP-RTD-SS	Various probe lengths; SS316, Ø6/Ø8 mm and 1/2" union options
Head-mounted transmitter	PKS-TMP-TRN-420 / 420PR	Compatible sensor input; 4–20 mA output
Bayonet thermocouple	PKS-TMP-TC-BAY	Spring-loaded; select cable and element
Bayonet PT100	PKS-TMP-RTD-BY / BAY	Spring-loaded; select probe/cable length
Threaded wired sensor	PKS-TMP Series	Threaded; sensor type by model
Surface / ring lug sensor	PKS-TMP Series	Surface fixing; select contact point/cable
Temperature / humidity transmitter	PKS-TMP-TH-ESN77	With or without display; ambient temperature and humidity monitoring



LEVEL

Continuous tank and silo measurement with level transmitters, and control at selected low and high points with level switches.

PRODUCT / SERIES	APPLICATION
Hydrostatic Level Transmitters PKS-LVL-HST	Continuous liquid level measurement with a wired submersible sensor.
Radar Level Transmitters PKS-LVL-RDR	Non-contact tank level measurement and transmission to automation.
Float Level Transmitters PKS-LVL-FLT	Continuous level monitoring with a float moving along a stem.
Compact Float Switches PKS-LVL-SSS / PLS	Vertical or side mounting; point detection with metal or plastic bodies.
Stem-Type Float Switches PKS-LVL-FLS	Low/high level control with selected probe lengths and contact positions.
Vibrating Fork Level Switches PKS-LVL-VFS	Point material detection with compact or headed designs.
Capacitive Level Switches PKS-LVL-CPS	Rod probes for application-specific point level detection.

LET US SELECT THE RIGHT SOLUTION

Tell us the material type, tank/silo dimensions, temperature and pressure. Specify continuous level measurement or low/high level control, mounting and output requirements. Together, we will select the right transmitter or switch.

4. LEVEL

4.1 LEVEL TRANSMITTERS

PKS-LVL Series

Continuous level monitoring in tanks and silos.



Hydrostatic
Level Transmitter



Hydrostatic
Level Transmitter



Radar Transmitter
Front View



Radar Transmitter
Rear View



Float
Level Transmitter

The PKS-LVL series provides continuous level monitoring in tanks and silos. Select the measuring method for the liquid, powder or solid material and the process conditions.

The images show wired submersible hydrostatic sensors, different views of the radar sensor and a transmitter with a float moving along a stem. The main families are PKS-LVL-HST, PKS-LVL-RDR and PKS-LVL-FLT.

Key Features and Options

- Continuous measurement: monitor the fill level throughout the process.
- Process monitoring: track level changes in the control system.
- Different measuring methods: options for liquids, powders and solids.
- Mounting options: probe, stem and cable lengths suited to the tank/silo.
- Materials and outputs: match process conditions and the control system.

Technical Specifications

Parameter	Technical Data / Options
Hydrostatic transmitter	PKS-LVL-HST • SS304 / SS316 body, standard 10 m cable
Radar transmitter	PKS-LVL-RDR • 120 GHz; S: 10 / 18 / 40 m, U: 10 / 18 m
Float transmitter	PKS-LVL-FLT • 200–2000 mm; 10 or 15 mm sensitivity

The ranges in the table refer to different models. Select measuring distance or probe length for the material, installation position and operating conditions. Verify output, temperature, pressure and wetted materials for each model.

4. LEVEL

4.2 LEVEL SWITCHES

PKS-LVL Series

Point control at low and high levels.



Vertical
Spherical Float Switch



Vertical
Cylindrical Float Switch



Horizontal
Spherical Float Switch



Horizontal
Cylindrical Float Switch



Wired Long-Stem
Float Switch



Side-Mounted
Stainless Steel
Level Switch



Side-Mounted
Stainless Steel
Level Switch



Side-Mounted
Plastic Level
Switch



Side-Mounted
Plastic Level
Switch



Side-Mounted
Plastic Level
Switch



Side-Mounted
Plastic Level
Switch



Compact
Vibrating Fork Switch



Headed
Vibrating Fork Switch



Conductive
Level Switch



Insulated
Level Switch



Stainless Steel
Level Switch
DIN 43650 Connector

PKS-LVL level switches generate a switching signal when a set level is reached in a tank or silo. They serve applications requiring material presence/absence at a specific point rather than a continuous level reading.

Technical Specifications

Product Type	Piksel Series / Options
Vibrating fork switch	PKS-LVL-VFS • compact and headed options
Capacitive switch	PKS-LVL-CPS • 500 / 1000 / 1500 mm rod
Stem-type float switch	PKS-LVL-FLS • probe length and contact position to suit the application
Compact float switch	PKS-LVL-SSS / PLS • metal/plastic; vertical or side mounting

The images show vertical and side-mounted float switches, vibrating forks and rod probes. Select metal/plastic bodies, connection direction and probe length for the material and tank mounting point.



VALVES

Flow control with electrically operated valves, pneumatic ball valves, knife gate valves and manual/pneumatic butterfly valves.

PRODUCT / SERIES	APPLICATION
Pneumatic Ball Valves Pneumatically Operated Type	Compressed-air on/off operation for batching and transfer lines.
Brass Solenoid Valves PKS-VLV-SOV	Electrical flow control with a solenoid and threaded connections.
Stainless Steel Solenoid Valves PKS-VLV-SSOV	Electrical on/off operation with a stainless steel body.
Knife Gate Valves Manual Handwheel Type	Manual on/off operation and isolation of process lines.
Manual Butterfly Valves Lever-Operated Type	Manual flow on/off operation with wafer connections.
Pneumatic Butterfly Valves Actuated Type	Automatic on/off operation using compressed air.

LET US SELECT THE RIGHT SOLUTION

Tell us the fluid, connection size, pressure and temperature. Together, we will select the right valve for your preferred manual, electric or pneumatic operation.

5. VALVES

5.1 VALVES

PKS-LVL Series

Flow control solutions with manual, electric and pneumatic operation.



Pneumatically Actuated
Ball Valve



Stainless Steel
Solenoid Valve



Brass Solenoid Valve
Plastic Coil Nut



Brass Solenoid Valve
Metal Coil Nut



Knife Gate
Valve



Manual
Butterfly Valve



Pneumatically Actuated
Butterfly Valve

Piksel Otomasyon offers brass and stainless steel solenoid valves, pneumatic ball valves, knife gate valves and butterfly valves. Select manual or automatic operation according to the fluid, pipe connection and process on/off requirements.

Key Features and Options

- Solenoid valves: brass or stainless steel bodies, with suitable coils and connections.
- Pneumatic valves: compressed-air operation for ball and butterfly types.
- Manual valves: handwheel knife gate or lever-operated butterfly designs.
- Selection: consider fluid, DN, connection standard, pressure, temperature and sealing.

Technical Specifications

Product Type	Operation / Selection Data
Pneumatic ball valve	Compressed-air operation; threaded pipe connection
Stainless steel solenoid valve	PKS-VLV-SSOV • solenoid, threaded connection
Brass solenoid valve	PKS-VLV-SOV • solenoid, threaded connection
Knife gate valve	Manual handwheel operation; pipeline isolation
Manual butterfly valve	Lever operation; wafer connection
Pneumatic butterfly valve	Actuator operation; wafer connection
Ordering Information	DN, fluid, pressure, temperature, seal and operation type

Connection sizes are 1/4"–2" for PKS-VLV-SOV brass valves and 1/2"–2" for PKS-VLV-SSOV stainless steel valves. These sizes do not apply to other valve types. For other types, DN, pressure/temperature limits and materials are model-dependent.



AUTOMATION

Display and control solutions for process values, instantaneous flow, total volume and batching operations.

PRODUCT / SERIES	APPLICATION
Process Indicators PKS-IND-PI	Monitor sensor and transmitter values on square or horizontal panels.
Flow Rate and Total Indicators PKS-IND-FI	Display instantaneous flow and total quantity on the panel.
Automatic Batch Control Systems PKS-FLW-PNL	Batch to a target quantity using a control panel, measuring unit and valve.

LET US SELECT THE RIGHT SOLUTION

Tell us the measurement signal, displayed value, supply voltage and control outputs. For batching, we will select the right system for the target quantity, duration and number of lines.

6.1 PROCESS AND FLOW INDICATORS

PKS-IND Series

View process values, instantaneous flow and totals on the panel.



Dual-Display
Process Indicator



Flow Rate and
Total Indicator



Single-Display
Process Indicator

Piksel Otomasyon offers process and flow indicators for viewing sensor signals on a panel. The images show square and horizontal panel types with single or dual displays. PKS-IND-PI monitors process values; PKS-IND-FI monitors instantaneous flow and totals.

Key Features and Options

- Process monitoring: display compatible sensor or transmitter signals.
- Panel options: process indicator sizes of 72 × 72, 35 × 77 and 48 × 48 mm.
- Flow monitoring: view instantaneous flow rate and total throughput.
- Signal transmission: analogue output or Modbus RS-485, depending on the model.

Technical Specifications

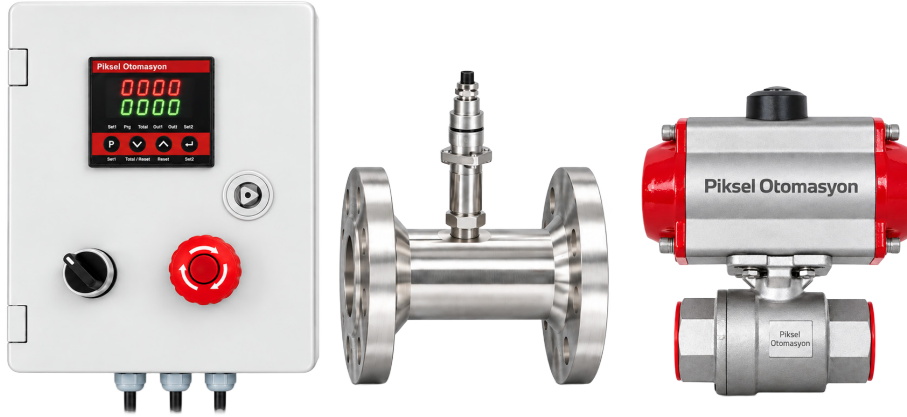
Model	Key Feature
PKS-IND-PIP77-IN	72 × 72 mm; process indicator with 4–20 mA input
PKS-IND-PIP77-OUT	72 × 72 mm; process indicator with 4–20 mA output
PKS-IND-PIP44-IN	48 × 48 mm; process indicator with 4–20 mA input
PKS-IND-PIP44-OUT	48 × 48 mm; process indicator with 4–20 mA input / output
PKS-IND-FIP77-RS485	72 × 72 mm; flow rate / total; Modbus RS-485
PKS-IND-FIP77-OUT	72 × 72 mm; flow rate / total; analogue output

Select input, output, supply and panel dimensions by model. For temperature control, also consider PKS-IND-TC-S1 / S2. The front panel appearance alone does not determine the input type or control function.

6.2 AUTOMATIC BATCH CONTROL SYSTEMS

PKS-FLW-PNL Series

Controlled liquid batching with automation tailored to your application.



Batch Control Panel, Turbine Flowmeter
and Pneumatic Valve

Piksel Otomasyon offers automatic systems for transferring liquids to a target quantity. The images show a control panel, inline measuring unit and pneumatically actuated valve. A suitable controller combines the meter/flowmeter signal with valve operation.

The PKS-FLW-OPT-PNL panel-mounted meter/batch control family offers instantaneous flow and total monitoring, 4–20 mA output and 24 VDC / 220 VAC supply options. Select a batch controller or PLC, measuring instrument and valve together to build the required system.

Key Features and Options

- Line management: configure single-line or multi-line batching.
- Distribution: controlled transfer of one liquid to multiple tanks.
- Multiple liquids: batch different liquids into one tank in set quantities.
- Control options: batch controller or PLC-based solution.
- Measurement: select a meter or flowmeter for the liquid and process.
- Valve options: solenoid, pneumatic or proportional valves.
- Data monitoring: project-specific remote monitoring, recording and reporting.

Technical Specifications

Parameter	Technical Data / Options
Application	Liquid batching and transfer control
Line Configuration	Single-line or multi-line
Batching Scenarios	One liquid to multiple tanks, or different liquids to one tank
Control Unit	PKS-FLW-OPT-PNL panel; project-specific batch controller / PLC
Measuring Components	Meter or flowmeter suitable for the application
Valve Options	Solenoid, pneumatic or proportional
Monitoring Options	Application-specific remote monitoring
Data Management	Application-specific recording and reporting

Verify the supply voltage and panel equipment for the model before ordering. Multi-line control, remote monitoring, recording and reporting are configured to the project scope. Batching performance depends on the measuring instrument, valve and operating conditions.

DN AND INCH EQUIVALENTS

Identify nominal connection sizes correctly when selecting meters and valves.

What Is DN?

DN is a dimensionless designation for the nominal size of pipes and fittings. For example, DN 25 does not directly mean a 25 mm inside or outside diameter. Inch-based nominal pipe size is expressed as NPS.

Common Nominal Size Equivalents for Metal Pipes

DN	Inch (NPS)	DN	Inch (NPS)
DN 6	1/8"	DN 100	4"
DN 8	1/4"	DN 125	5"
DN 10	3/8"	DN 150	6"
DN 15	1/2"	DN 200	8"
DN 20	3/4"	DN 250	10"
DN 25	1"	DN 300	12"
DN 32	1 1/4"	DN 350	14"
DN 40	1 1/2"	DN 400	16"
DN 50	2"	DN 450	18"
DN 65	2 1/2"	DN 500	20"
DN 80	3"	DN 600	24"

Do Not Confuse Length Conversion with Nominal Size

- 1 inch = 25.4 mm is a length conversion. However, a nominal 1-inch pipe connection corresponds to DN 25. Check the actual inside/outside diameter against the pipe standard and wall thickness.
- Example: DN 50 ↔ 2 inches. This equivalence does not mean two products can be connected under all conditions.

Selecting the Right Product

- Specify the connection standard: G/BSP or NPT for threads; check the flange standard and PN/Class rating separately.
- Provide the fluid, required flow, operating pressure and temperature. The same DN does not imply the same flow capacity or operating limits.
- Quotation example: add your flow, pressure and temperature to "DN 25 (1 inch), G thread, water line".
- This table is a general selection guide, not a statement that every size is available in every Piksel series.

SUPPLY AND TECHNICAL SUPPORT

Supporting You from Product Selection to Operation

Piksel Otomasyon offers products for a wide range of flow, pressure, temperature and level measurement needs. We support our customers with product selection, supply and after-sales service.



01 Product Selection for Your Application

Our priority is to help customers use the right instrument reliably in the right place. Before recommending a product, we review the requirements and operating conditions. We help select equipment for the fluid, temperature, pressure and connection, examining the application in detail and providing technical advice where needed.



02 Stock and Delivery Planning

We work to dispatch stocked products promptly. For non-stock and special-order items, we advise delivery times in advance. We also identify the necessary accessories and fittings so that each order is prepared complete.



03 Service, Testing and Calibration

In our own service facility, we inspect faulty instruments sent by customers and identify the cause of the problem. We carry out repairs, testing and calibration on our Ministry-approved test benches. After completing the final checks, we return the instruments to our customers.

Let Us Review Your Application Together.

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INDUSTRIES WE SERVE

From flow, pressure, temperature and level measurement to automation, we support production and operations across a wide range of industries.



Food and Beverage

Production, batching and process monitoring



Water and Wastewater

Treatment, distribution and storage level monitoring



Textiles and Knitting

Dyeing, finishing and process water measurement



Chemical Industry

Fluid transfer, dosing and tank monitoring



Energy and Geothermal

Flow, pressure and energy consumption monitoring



Agriculture and Irrigation

Water use, fertilisation and irrigation control



Leather Industry

Process fluids and temperature control



Cement and Building Materials

Water, air and process measurement



Mining and Mineral Processing

Process water, pressure and level monitoring



Machinery and Pump Systems

Measurement, control and automation applications



Tourism and Hospitality

Water consumption, heating and cooling monitoring

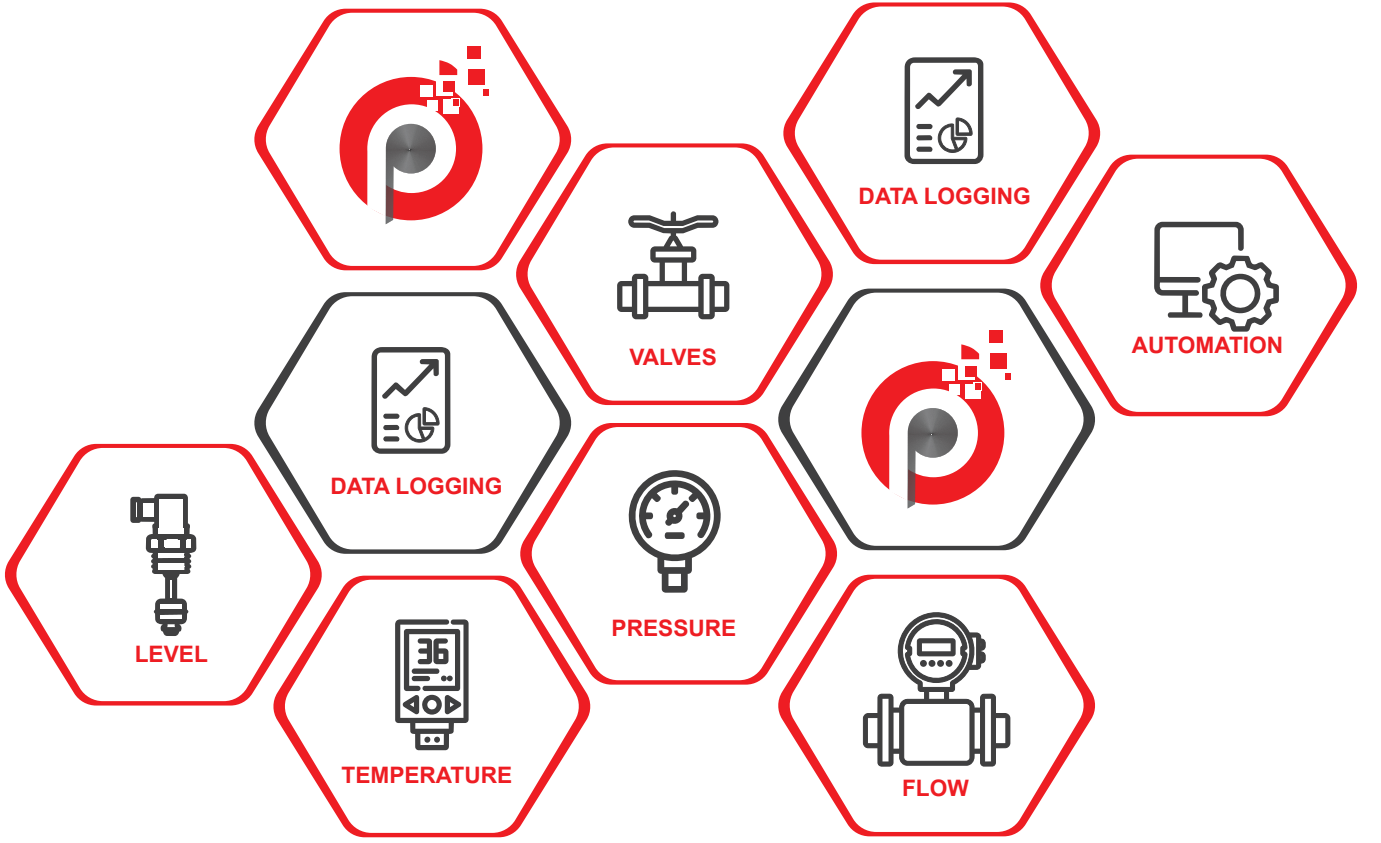


Construction and Infrastructure

Mechanical services and fluid control

Measurement and Control for Your Application

Supporting you with product selection, supply and technical service.



Digital Catalogue