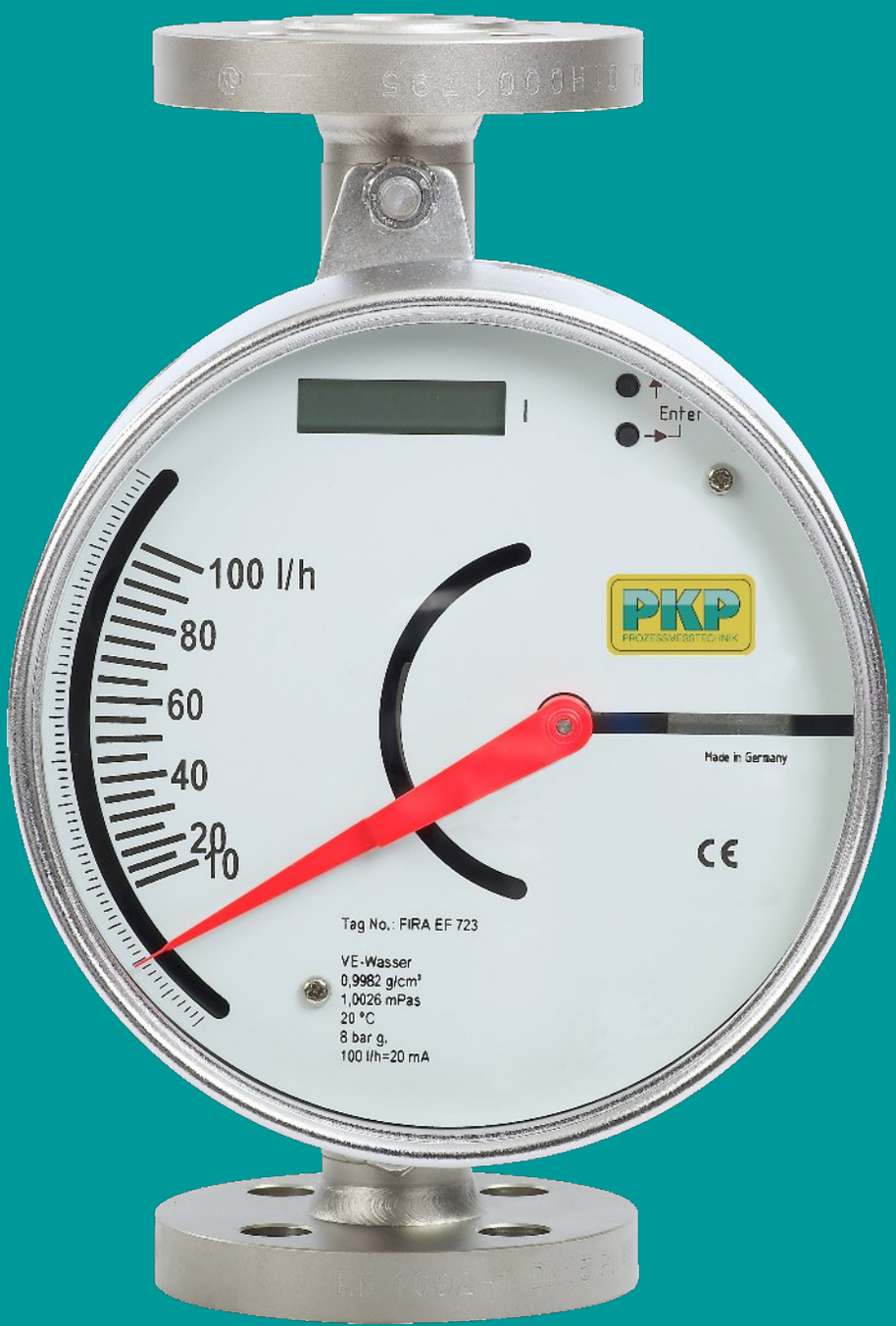
PKP
PROZESSMESSTECHNIK

The Source & Force in Measurement Technology

PRODUCT OVERVIEW

2026 / 2027



PKP Prozessmesstechnik

Your Partner for Flow,
Level, Pressure and Temperature

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The “Source & Force” in Measuring Technology

FLOW

- Sight glasses with rotor or ball
- Variable area and piston type flowmeters and switches
- Paddle type flowmeters and switches
- Turbine wheel and rotating vane flowmeters
- Gear wheel flow sensors and counters
- Magnetic inductive flowmeters
- Ultrasonic flowmeters
- Calorimetric flowmeters
- Vortex flowmeters

LEVEL

- Float level switches
- Magnetic level switches for horizontal and vertical position
- Conductive level switches
- Optoelectronic level switches
- Level switches for bulk material
- Level transmitters with floats
- Bypass level indicators
- Potentiometric level sensors
- Hydrostatic level sensors

PRESSURE

- Pressure gauges
- Differential pressure gauges
- Pressure transmitters
- Pressure switches

TEMPERATURE

- Dial Thermometer, N_2 filled
- Temperature sensors Pt100, Pt1000 thermocouples
- Thermometers

ACCESSORIES

- Valves, strainers, flow limiters,
- Relays, signal converters, isolating amplifier
- Frequency / analogue converter
- Plug connectors with cable
- Electronic display and control units

Telephone Hotline: 0049 (0) 6122 -7055-0

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FLOW

Sight Flow Indicators

DG01

Flow indicator with or without rotor, with wiper for cleaning of sight glass

Connections: 1/4” up to 1 1/2” threaded
Materials: brass or stainless steel 1.4305, FKM, NBR
max. Pressure: 16 bar
max. Temperature: 100 °C

DG02

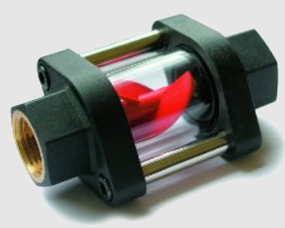
Sight flow indicator with rotor

Connections: 1/4” up to 1” threaded
Materials: stainless steel, Klingersil C-4400, PPS, FKM
max. Pressure: 16 bar
max. Temperature: 200 °C

DG03

Flow indicator with turbine

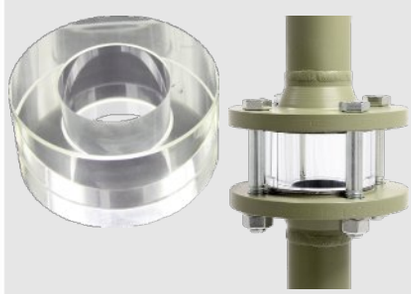
Connections: 1/4” up to 1” threaded
Materials: brass, PPh, NBR
max. Pressure: 10 bar
max. Temperature: 100 °C



DG04

Flow sight glass for installation between two flanges

Connections: DN 10 up to DN 250
Materials: acrylic glass or borosilicate glass
max. Pressure: 16 bar
max. Temperature: 280°C (450 °C on request)



DG06

Sight flow indicator with flap and scale

Connections: 1/4” up to 4” threaded or flanged
Materials: cast steel, stainless steel
max. Pressure: 40 bar
max. Temperature: 250 °C

DG08

Sight flow indicator with ball

Connections: 1/4” up to 1 1/2” threaded
Materials: stainless steel, Klingersil C-4400, PTFE, FKM
max. Pressure: 16 bar
max. Temperature: 200 °C

DG10

Flow sight glass with threaded connection

Connections: 1/4” up to 2” threaded
Materials: cast iron, cast steel, stainless steel,
soda lime glass, borosilicate glass, graphite
max. Pressure: 40 bar
max. Temperature: 280 °C

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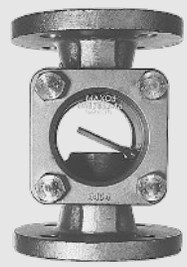
DG11

Sight flow indicator with flanged connection

Connections:	DN 15 up to DN 200 flanged
Materials:	cast iron, cast steel, stainless steel, soda lime glass, borosilicate glass, graphite
max. Pressure:	40 bar
max. Temperature:	280 °C



DG20

Sight glass, tubular type with flange connections

Connections:	DN 15 up to DN 200 flanged, DIN and ANSI
Materials:	steel 1.0425, stainless steel 1.4571 borosilicate glass, FKM, PTFE
max. Pressure:	6 bar
max. Temperature:	200 °C

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Variable Area Flowmeters

DS01

Miniature variable area flowmeter and switch

Connections:	1/4” up to 1 1/4” threaded
Range:	5...60 ml/min – 60...150 l/min water
	0,2...1,3 – 200...625 Nl/min air
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	16 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter

DS02

Miniature variable area flow switch - all metal

Connections:	1/4” up to 1” threaded
Range:	5...60 ml/min – 60...150 l/min water
	0,6...2,2 – 200...625 Nl/min air
Materials:	brass, stainless steel
P_{max} / T_{max}:	350 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter, display

DS03

Variable area flowmeter and switch with glass measuring tube

Connections:	1/4” up to 1” threaded
Range:	0,1...1,5 – 4...50 l/min water
	3...30 – 200...1600 Nl/min air
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	10 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter

DS04

Variable area flowmeter and switch, high pressure version

Connections:	1/4” up to 1” threaded
Range:	0,1...1,5 – 4...50 l/min water
	1...28 – 200...1450 Nl/min air
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	300 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter, display

DS05

Variable area flowmeter and switch, mounting independent

Connections:	1/4” up to 1 1/4” threaded
Range:	0,2...4 – 35...250 l/min water
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	10 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter

DS06

Variable area flowmeter and switch, high pressure version, mounting independent

Connections:	1/4” up to 1 1/2” threaded
Range:	0,2...4 – 35...250 l/min water
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	300 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter, display

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DS07

Viscosity compensated variable area flowmeter and switch, mounting independent

Connections:	1/4” up to 1” threaded
Range:	0,5...1,7 – 30...90 l/min liquids up to 600 cSt
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	16 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter

DS08

Viscosity compensated variable area flowmeter and switch, high pressure version, mounting independent

Connections:	1/4” up to 1” threaded
Range:	0,1...0,8 – 35...110 l/min liquids up to 600 cSt
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	350 bar / 160 °C
Output Signals:	switch contacts, analogue transmitter, display

DS09

Angle seat variable area flow meter

Connections:	1/2” and 1” threaded
Range:	2,5...25, 10...100 l/min liquids up to 600 cSt
Materials:	brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	10 bar / 100 °C
Output Signals:	switch contacts, analogue transmitter, display

DS10

Variable area flowmeter with glass measuring tube

Connections:	1/4” threaded
Range:	0,04...0,4 – 0,063...0,63 l/h water 0,5...5 – 500...5000 Nl/h air
Materials:	brass, stainless steel, FKM
P_{max} / T_{max}:	10 bar / 100 °C
Output Signals:	up to 2 switch contacts

DS11

Plastic variable area flowmeter with glass measuring tube

Connections:	1/4” threaded
Range:	0,25...2,5 – 16...160 l/h water 0,5...5 – 500...5000 Nl/h air
Materials:	PVDF, stainless steel, PTFE, FFKM, PEEK
P_{max} / T_{max}:	4 bar / 100 °C
Output Signals:	up to 2 switch contacts

DS12

Variable area flowmeter with glass measuring tube

Connections:	1/2” up to 2 1/2” threaded or flanged
Range:	0,002...0,025 l/h – 1000...10000 l/h water 0,1...1,75 Nl/h – 20.000...200.000 Nl/h air
Materials:	stainless steel, PP, Buna
P_{max} / T_{max}:	16 bar / 100 °C
Output Signal:	switch contacts, optional with ATEX design

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DS15

Plastic variable area flowmeter

Connections:	3/4” up to 3 1/2” threaded
Range:	3...24 l/h – 10...50 m³/h water
	0,2...1 – 400...1500 Nm³/h air
Materials:	PVC, PA, PSU, PVDF, FKM
P_{max} / T_{max}:	10 bar / 110 °C
Output Signals:	up to 2 switch contacts, analogue transmitter

DS20

Variable area flowmeter for low flow volumes, compact construction

Connections:	1/4” up to 1” threaded or flanged
Range:	0,1...1 l/h – 25...250 l/h water
	4...40 Nl/h – 800...8000 Nl/h air
Materials:	stainless steel 1.4571
P_{max} / T_{max}:	160 bar / 200 °C
Output Signals:	up to 2 switch contacts, analogue output

equipable with ATEX limit switches

DS25

All-metal variable area flowmeter, robust industrial design with large display

Connections:	1/2” up to 4“ threaded or flanged
Range:	2,5...26 l/h – 15...130 m³/h water
	75...750 Nl/h – 180...1800 Nm³/h air
Materials:	stainless steel 1.4404
P_{max} / T_{max}:	100 bar / 370 °C
Output Signals:	up to 2 switch contacts, analogue output

equipable with ATEX limit switches

DS51

Piston type flow switch for low-flow applications

Connections:	G 1/4” threaded or hose nozzle
Range:	0,1...2,5 l/min water
Materials:	brass, stainless steel
P_{max} / T_{max}:	16 bar / 100 °C
Output Signal:	1 switch contact

DS52

Low cost miniature variable area flow switch

Connections:	1/4” and 1/2” threaded
Range:	5...60 ml/min – 8...30 l/min water
Materials:	stainless steel
P_{max} / T_{max}:	350 bar / 100 °C
Output Signal:	1 switch contact

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Paddle Type Flowmeters / Switches

DP01

Paddle-type flow switch

Connections:	with T-fitting 1/4” up to 2” threaded with 1/2” for pipe DN 50 up to DN 200
Range:	1,8 – 83 l/min water
Materials:	brass, stainless steel, PVC
P_{max} / T_{max}:	25 bar / 110 °C
Output Signal:	1 Reed contact or microswitch

DP02

Paddle-type flow switch with cable

Connections:	with T-fitting 3/8” up to 2” threaded with 1/2” for pipe DN 50 up to DN 150
Range:	1,7 – 600 l/min water
Materials:	brass, stainless steel, PVC
P_{max} / T_{max}:	16 bar / 110 °C
Output Signal:	1 Reed contact

DP03

Plastic paddle-type flow switch with cable

Connections:	thread 1/2” for pipes from DN 32 PVC T-fitting glueing socket 1/2” - 1 ½ “ brass T-fitting 3/8” - 2” threaded
Range:	1,5...4 l/min – 250...600 l/min water
Materials:	POM, PVC, brass, Noryl GFN3
P_{max} / T_{max}:	10 bar / 100 °C
Output Signal:	1 Reed contact

DP04

Paddle-type flow switch with shortenable paddle

Connection:	G ½ male, for pipe sizes DN 20… DN 200
Range:	1,1...30 m³/h
Materials:	brass, PPE, GFN3, st. st., NBR
P_{max} / T_{max}:	25 bar / 110 °C
Output Signal:	1 Reed contact

DP05

Paddle-bellows flow switch with adjustable switch point

Connections:	3/8” up to 2” threaded or flanged with weld-on flange: for DN 40 up to DN 600
Range:	1 l/min – 4500 m³/h water
Materials:	brass, stainless steel, PVC
P_{max} / T_{max}:	16 bar / 100 °C
Output Signal:	1 or 2 microswitches

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DP06

Paddle-bellows flowmeter and switch for liquids

Connections:	3/8” up to 2” threaded or flanged with weld-on flange: for DN 40 up to DN 600
Range:	1 l/min – 4500 m³/h water
Materials:	brass, stainless steel, PVC
P_{max} / T_{max}:	16 bar / 100 °C
Output Signal:	1 or 2 microswitches

DP07

Electronic paddle bellows flowmeter, counter and switch

Connections:	3/8” up to 2” threaded or flanged with weld-on flange: for DN 65 up to DN 600
Range:	1.5 l/min – 4500 m³/h water
Materials:	brass, stainless steel, PVC
P_{max} / T_{max}:	16 bar / 70 °C
Output Signals:	0...10 V, 4...20 mA, frequency, 2 relays

DPS10

Paddle bellows flow switch

Connections:	threaded or flanged DN 25 (0,6...2,1 m³/h) up to DN 300 (1...8 m/s)
Materials:	brass, stainless steel
P_{max} / T_{max}:	30 bar / 120 °C
Output Signal:	1 microswitch

DK04

Flap flowmeter and switch for low viscosity liquids

Connections:	1/4” up to 1 1/4” threaded
Range:	0,4...6 – 1...100 l/min water
Materials:	PPS, brass, stainless steel, PVDF
P_{max} / T_{max}:	100 bar / up to 110 °C
Output Signal:	pulses, 0...10 V, 4...20 mA

DK10

Flap flowmeter and switch

Connections:	1/4” up to 8” threaded or flanged
Range:	4...15 – 120...5000 l/min water, oil
Materials:	aluminium, bronze, cast iron, cast iron nickel plated, cast steel, stainless steel, PTFE, PVC. seals: Buna, EPDM, FKM, PTFE, Perlast
P_{max} / T_{max}:	200 bar / 330 °C
Output Signal:	1 or 2 microswitches, optional 4...20 mA

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Paddle Wheel / Turbine / Gear Wheel Flowmeters and Transmitters

DND01

Nutating disc meter

Connections:	3/4“ up to 2“ threaded
Range:	1...100 l/min - 8...643 l/min
Materials:	PPO, bronze, LCP, stainless steel
P_{max} / T_{max}:	16 bar / 120 °C
Output signal:	pulse output (Reed, PNP, NPN or NAMUR)

DR04

Paddle wheel flowmeter and switch also for high pressure

Connections:	3/8” and 1” threaded
Range:	0,1...1,5 – 4...100 l/min water
Materials:	PPS, PVDF, brass, stainless steel
P_{max} / T_{max}:	100 bar / 100 °C
Output Signal:	pulses, 0...10 V, 4...20 mA, frequency

DR05

Paddle wheel flow sensor and switch

Connections:	1” up to 2” threaded
Range:	5...250 – 20...1000 l/min water
Materials:	PP, ECTFE, FKM, Ceramic
P_{max} / T_{max}:	10 bar / 85 °C
Output Signal:	pulses, 4...20 mA

DR08

Turbine flow sensor for low viscosity liquids

Connections:	3/4” up to 2” threaded hose nozzle, bonded socket joint, welded socket, soldered joint, cutting ring fitting
Range:	2...40 l/min – 0,4...25 m³/h water
Materials:	PPE, brass, stainless steel, NBR, FKM
P_{max} / T_{max}:	300 bar / 150 °C
Output Signal:	pulses, 4...20 mA, limit switch

DR20B

Paddle wheel flow transmitter

Connections:	1/2”...2” threaded with T-piece, or weld-on
Range:	2,5...50 – 35...580 l/min or 0,3...5 m/s
Materials:	stainless steel, POM, ferrite
P_{max} / T_{max}:	25 bar / 100 °C
Output Signal:	pulses, analogue output 4...20 mA

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DR54

Plastic paddle wheel flow meter for small quantities

Connections:	1/4” threaded or hose nozzle
Range:	4...60 – 20...300 l/h
Materials:	POM, ECTFE, Rubin, Al_2O_3, st. st., Sapphire
P_{max} / T_{max}:	10 bar / 80 °C
Output Signal:	Push-Pull, 4...20 mA

DR56

Plastic paddle wheel flow meter

Connections:	3/8” threaded
Range:	20...1000 l/h
Materials:	POM, ECTFE, Rubin, Al_2O_3, st. st., Sapphire
P_{max} / T_{max}:	10 bar / 80 °C
Output Signal:	Push-Pull, 4...20 mA

DR58

Paddle wheel flow transmitter

Connections:	3/4”, 1” threaded
Range:	50...3000 l/h, 100...5000 l/h
Materials:	brass, PA 66, stainless steel, NBR
P_{max} / T_{max}:	10 bar / 80 °C
Output Signal:	Push-Pull, 4...20 mA

DOZ01

Oval gear flowmeter for low flow rates

Connections:	1/4” threaded
Range:	8...40 – 14...80 l/h liquid media up to 200 cSt
Materials:	PP, ECTFE, stainless steel, PEEK
P_{max} / T_{max}:	20 bar / 80 °C
Output Signal:	pulses, 4...20 mA, 2 limit switches

DOZ03

Oval gear flowmeter for low flow rates

Connections:	1/8 and 1/4” threaded
Range:	0,017...0,83 l/min up to 0,25...8,33 l/min
Materials:	aluminium, stainless steel, PVDF, PPS
P_{max} / T_{max}:	100 bar / 120 °C
Output Signal:	pulse output (Reed, Hall-Sensor)

DOZ05

Oval gear flowmeter for middle flow rates

Connections:	1/2”, 3/4“ and 1“ threaded or flanged
Range:	1...30 l/min, 2...60 l/min, 2,3...68 l/min
Materials:	aluminium, st. steel, PVDF, PPS, LCP
P_{max} / T_{max}:	210 bar / 120 °C
Output Signal:	pulse output, 4-20 mA

DOZ07

Oval gear flowmeter for low flow rates

Connections:	1”, 1 1/2“, 2“ and 3“ threaded or flanged
Range:	2,7...170 l/min up to 38...700 l/min
Materials:	aluminium, st. steel, PVDF, PPS
P_{max} / T_{max}:	210 bar / 120 °C
Output Signal:	pulse output, 4-20 mA

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DV01

Gear wheel flow sensor for viscous liquids

Connections:	1/4” up to 1” threaded
Range:	0,02...4 – 1...200 l/min liquids, 20-4000 cSt
Materials:	aluminium, stainless steel, steel
P_{max} / T_{max}:	240 bar / 80 °C
Output Signal:	pulses

DV04

High precision gear wheel flow sensor for viscous liquids

Connections:	1/8” up to 1” threaded, SAE flange 38 mm
Range:	0,008...2 – 3...700 l/min liquids 20-100.000 cSt
Materials:	cast iron, st. st., FKM, EPDM, FEP, FFKM
P_{max} / T_{max}:	480 bar / 210 °C
Output Signal:	pulses

DVA

Plug on display for volume sensor DV01, DV04

Mounting:	4 pin plug according EN 175301-803
Power Supply:	12 VDC, 24 VDC
Output Signals:	pulses, 4...20 mA, or relay switch

for flow and volume detection

DV08

Screw-spindle-type volumetric flow meter for highly viscous liquids

Connections:	1” up to 2 1/2” threaded or SAE flange
Range:	1,4...140 – 25...2500 l/min liquids up to 40.000 cSt
Materials:	aluminium, steel
P_{max} / T_{max}:	350 bar / 150 °C
Output signal:	pulses, 4...20 mA, 0...10 V, limit switch

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Electronic Flowmeters

DM01A

Compact magnetic inductive flowmeter

Connections:	3/8” up to 1 1/4” threaded
Range:	0,05...2 – 5...250 l/min water
Materials:	PVDF, stainless steel
P_{max} / T_{max}:	10 bar / 60 °C
Output Signals:	pulses, 4...20 mA, 0,5...10 V

DM04

Compact magnetic inductive flowmeter - all metal version -

Connections:	3/8” up to 1 1/4” threaded
Range:	0,05...2 – 5...250 l/min water
Materials:	PEEK-GF30, stainless steel, EPDM, FKM
P_{max} / T_{max}:	16 bar / 90 °C
Output Signal:	pulses

DM12

Magnetic inductive flowmeter for large nominal sizes

Connections:	DN 15 up to DN 200 flanged
Range:	0,2...6 – 34...1130 m³/h water
Materials:	stainless steel, steel, rubber, PFA, Hastelloy
P_{max} / T_{max}:	40 bar / 160 °C
Output Signal:	pulses, frequency, 4...20 mA, volume totaliser

DU06

Ultrasonic flowmeter and counter with local indication

Connections:	1/2” and 2” threaded
Range:	0,5...80 and 8...1000 l/min water
Materials:	brass, stainless steel, FKM, EPDM
P_{max} / T_{max}:	25 bar / 100 °C
Output Signal:	pulses, 4...20 mA, 0...10 V, switching output

DTH04

Calorimetric flow sensor and switch in 12 mm housing

Connections:	with T piece 1/2” up to 2”, or cutting ring connection for universal mounting
Range:	2...150, 3...300 cm/s velocity water
Materials:	stainless steel
P_{max} / T_{max}:	25 bar / 100 °C
Output Signal:	frequency, 4...20 mA, 0...10 V, limit switch

DTL04

Calorimetric flow sensor for air - switching output

Connections:	threaded or flanged
Range:	0,1...15 m/s air
Materials:	brass nickel plated
P_{max} / T_{max}:	10 bar / 80 °C
Output Signal:	relay or transistor

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DTL06

Calorimetric flow sensor for air – analogue output

Connections:	threaded or flanged
Range:	0,1...30 m/s air
Materials:	brass nickel plated
P_{max} / T_{max}:	10 bar / 70 °C
Output Signal:	analogue: 0...10V

DTL10

Calorimetric volumetric flow meter for measuring the flow of gases

Connections:	Pg 7, M20 x 1,5 male, G ½
Range:	0,1...30 m/s air
Materials:	brass nickel plated, stainless steel
P_{max} / T_{max}:	10 bar / 80 °C
Output Signal:	4...20 mA, 0...10 V (for flow and temperature), limit switches

DB03

Thermal flow and consumption sensor for compressed air and gases

Connections:	1/4”, 1/2”, 3/4“ und 1“ female thread
Ranges:	0,5...50 – 35...3500 Nl/min air
Materials:	Aluminium, St.st. optional, PC, ABS
P_{max} / T_{max}:	16 bar / 50 °C
Output Signals:	analogue (4...20 mA), pulse, Modbus

DB04A

High precision thermal flowmeter for gases, battery-powered

Connections:	1/4”, 1/2” threaded
Range:	0,001...0,05 – 9...450 Nl/min gas
Materials:	aluminium, stainless steel, FKM
P_{max} / T_{max}:	11 bar / 50 °C
Output Signal:	limit switches

DB05

High precision thermal flowmeter and controller for gases

Connections:	1/4”, 1/2” threaded
Range:	0,5...25 Nml/min – 9...450 Nl/min gas
Materials:	aluminium, PBT, FKM, stainless steel
P_{max} / T_{max}:	11 bar / 50 °C
Output Signal:	4...20 mA, 0...10 V, RS232 serial interface

DB50

Thermal flowmeter and counter for gases

Connections:	1/2” threaded for pipe DN 25 up to DN 600
Ranges:	0...92,7 / 0...185 / 2...224 m/s 136 Nm³/h… 176133 Nm³/h air
Materials:	stainless steel
P_{max} / T_{max}:	50 bar / 110 °C
Output Signal:	4...20 mA

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DB51

Compact thermal flowmeter and counter for gases

Connections:	1/4” up to 2” threaded
Range:	0,8...90 Nl/h – 2...1195 Nm³/h air
Materials:	stainless steel
P_{max} / T_{max}:	40 bar / 80 °C
Output Signal:	pulses, 4...20 mA

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Float Level Switches

FS00

Float level switch

Materials: PUR, Neoprene, TPE FD special
P_{max} / T_{max}: 2 bar / 95 °C
Output Signal: Reed N/C, N/O, SPDT
available with 5, 10, or 20 m cable

FS10

Magnetic float level switch vertically mounted

Connections: 1/8” up to 2” threaded or up to DN 100 flanged
Range: 50...6000 mm
Materials: stainless steel, PVC, PP, PVDF, PA, Titan
P_{max} / T_{max}: 80 bar / 350 °C
Output Signal: Reed NC, NO, SPDT

FS11

Magnetic float level switch side mounted

Connections: 3/8” up to 2” threaded, 1 ½” up to 2”flanges
Range: up to 3000 mm
Materials: st. st., ECTFE, Titan, Buna, PP, PVDF
P_{max} / T_{max}: 40 bar / 180 °C
Output Signal: Reed NC, NO, SPDT

FS13

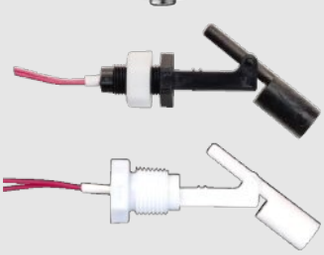
Miniature magnetic float level switch, vertically mounted

Connection: 1/8” threaded
Materials: stainless steel
P_{max} / T_{max}: 10 bar / 120 °C
Output Signal: Reed NC

FS14

Miniature plastic float level switch for side mounting

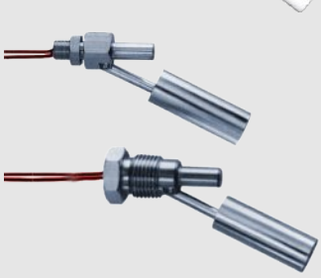
Connections: 1/4”, 1/2” threaded
Materials: PP, PA
P_{max} / T_{max}: 1 bar / 110 °C
Output Signal: Reed NC, NO



FS15

Miniature stainless steel level switch for side mounting

Connections: 1/8”, 1/2” threaded
Materials: stainless steel,
P_{max} / T_{max}: 5 bar / 120 °C
Output Signal: Reed NC, NO



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Electronic Level Switches

FK01

Conductive level electrode

Connections:	screw M4
Materials:	stainless steel, PTFE
P_{max} / T_{max}:	atmospheric / 250 °C

FK10

Conductive level switch

Connections:	1/2” up to 2” threaded, 2” flanged
Range:	max. 2500 mm
Materials:	POM, PP, PTFE, stainless steel
P_{max} / T_{max}:	20 bar / 150 °C

max. 7 electrodes

FK11

Conductive level switch with cable electrodes

Connections:	1/2” up to 2” threaded
Range:	max. 15000 mm
Materials:	POM, PP, PTFE, stainless steel
P_{max} / T_{max}:	atmospheric / 90 °C

max. 7 electrodes

FK12

Conductive level switch for food applications

Connections:	1/2” up to 1 1/2” threaded, DN 25 up to DN 50 screwed pipe connections according to DIN 11851
Range:	max. 2500 mm
Materials:	stainless steel, PP, POM, PTFE
P_{max} / T_{max}:	20 bar / 100 °C

max. 5 electrodes

FKE

Electronic controller for conductive level sensors

Power Supply:	universal supply 24-24 VAC/DC
Input:	max. 5 conductive level sensor electrodes
Contact Rating:	440 VAC, 8 A, 2000 VA

direct pump control and optional 2 additional level switches

FK14

Conductive level switch with integrated relay

Connections:	1/2” up to 1 1/2” threaded, with weld-on connection for food applications
Range:	max. 2000 mm
Materials:	st. st., Hastelloy, Titanium, PP, POM, PTFE
P_{max} / T_{max}:	20 bar / 85 °C

max. 3 electrodes, suitable for direct pump control

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FUS10

Ultrasonic level switch

Connections:	M18, M30 threaded, quadratic flange
Range:	max. 6000 mm
Materials:	PET/PBT, ceramic
P_{max} / T_{max}:	atmospheric / 70 °C
Output Signal:	2 x NPN, 2 x PNP

FOS03

Optical level switch for industrial applications

Connections:	G ½ male, G 3/8 male, M12 x 1 male
Materials:	stainless steel, borosilicate glass
P_{max} / T_{max}:	25 bar / 170 °C
Output Signal:	PNP Open Collector, switching contact

Level Switches for Bulk Materials

FF03

Rotary blade level switch

Connections:	1” up to 2” threaded, DN 32, DN 100 flanged
Materials:	aluminium, stainless steel
P_{max} / T_{max}:	25 bar / 350 °C
bulk density:	0,01 up to 2 t/m³
Output Signal:	microswitch 2 A, 250 VAC

FF04

Membrane level switch

Connections:	flanged
Materials:	aluminium, stainless steel, Neoprene, FKM
P_{max} / T_{max}:	atmospheric / 200 °C
Output Signal:	microswitch 4 A, 250 VAC

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Float Level Indicators / Transmitters

FN06

Magnetic float level transmitter – Reed chain

Connections:	3/8” up to 2” threaded or up to DN 200 flanged
Range:	50...6000 mm
Materials:	stainless steel, PVC, PP, PVDF, E-CTFE, PTFE
P_{max} / T_{max}:	40 bar / 250 °C
Output Signal:	Reed chain, 4...20 mA

FSA30

Electronic level switch and transmitter

Connections:	G 1 male, 1“ NPT male, 1 ¼“ NPT male
Range:	250 mm up to 1000 mm
Materials:	brass, NBR, FKM, EPDM, NBR stainless steel VA2A, PA / PC
P_{max} / T_{max}:	15 bar / 80 °C
Output Signal:	analogue outp., up to 2 switch cont., IO-Link

FM02

Magnetic float level transmitter- magnetostrictive

Connections:	1 ½”, 2” threaded or up to DN 100 flanged
Range:	100...6000 mm
Material:	stainless steel
P_{max} / T_{max}:	100 bar / 185 °C
Output Signal:	4...20 mA, HART®

FB06

Bypass level indicator

Connections:	1/2” up to 4” threaded or flanged
Range:	150...6000 mm
Materials:	stainless steel, titanium, Hastelloy, PP, PVDF
P_{max} / T_{max}:	400 bar / 450 °C
Output Signal:	limit switches, level transmitter (optional)

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Electronic Level Measurement

FUM10

Ultrasonic level transmitter

Connections:	M18, M30 threaded, quadratic flange
Range:	max. 6000 mm
Materials:	PET/PBT, ceramic
P_{max} / T_{max}:	atmospheric / 70 °C
Output Signal:	4...20 mA, 0...10 V

FT01

Hydrostatic deep well level transmitter

Range	0..1 – 0...250 m WC
Materials:	stainless steel, PA
P_{max} / T_{max}:	32 bar / 80 °C
Output Signal:	4...20 mA, 0...10 V

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Pressure Gauges

PMR02

Bourdon tube pressure gauge - Mini

Connections: 1/4” bottom or back threaded
Materials: brass, steel, stainless steel
Range: -1...0 – 0...1000 bar
Housing Diameter: 60 mm
max. Temperature: 100 °C
Optional glycerine filled

PMR04

Bourdon tube pressure gauge

Connections: 1/4”, 1/2” bottom or back threaded, flanged
Materials: brass, stainless steel
Range: -1000...0 mbar – 0...2500 bar
Housing Diameter: 100, 160, 250 mm
max. Temperature: 200 °C
Output Signal: up to 4 limit switches, ATEX certified

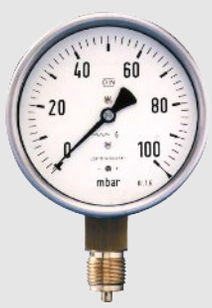
PMR06

High precision bourdon tube pressure gauge

Connections: 1/4”, 1/2” bottom or back threaded, flanged
Materials: brass, stainless steel
Range: -1...0 – 0...1600 bar
Housing Diameter: 160, 250 mm
max. Temperature: 100 °C
Optional glycerine filled

PMK04

Capsule element pressure gauge for gases



Connections: 1/4”, 1/2” bottom or back threaded
Materials: brass, stainless steel
Range: -25...+15 – 0...600 mbar
Housing Diameter: 60, 100, 160 mm
max. Temperature: 100 °C
Optional: glycerine filled, free of oil and grease for oxygen use

PMP04

Diaphragm pressure gauge

Connections: 1/2” threaded, DN 25, DN 50, DN 64 flanged
Materials: aluminium, brass, stainless steel
Range: -1200...0 bar – 0...400 bar
Housing Diameter: 100, 160, 250 mm
max. Temperature: 100 °C
Optional: glycerine filled, free of oil and grease for oxygen use, PTFE coating

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PDR02

Double bourdon tube differential pressure gauge

Connections: 1/4, 3/8", 1/2" threaded
Materials: stainless steel
Range: -1...0 – 0...1600 bar
Housing Diameter: 100, 160 mm
max. Temperature: 100 °C

PDR04

Differential pressure gauge with double linked bourdon tubes

Connections: 1/4, 3/8", 1/2" threaded
Materials: stainless steel
Range: 0...0,6 – 0...16 bar
Housing Diameter: 100, 160 mm
max. Temperature: 100 °C
Output Signal: up to 2 limit switches, ATEX certified

PDK01

Differential pressure gauge with capsule element

Connections: 2 x hose connection, Ø 6 mm
Materials: stainless steel
Range: -400... 0 – 0...600 mbar
Housing Diameter: 100, 160 mm
max. Temperature: 100 °C

PDP02

Differential pressure gauge with double diaphragm system

Connections: 1/4, 3/8", 1/2" threaded
Materials: stainless steel
Range: 0...0,6 – 0...16 bar
Housing Diameter: 100, 160 mm
max. Temperature: 80 °C

PDM02

Differential pressure gauge with membrane measuring system

Connections: G ½ B, 1/2" NPT threaded
Materials: stainless steel, brass, NBR, FPM, PA
Range: 0...0,1 – 0...10 bar
Housing Diameter: 100, 160 mm
max. Temperature: 100 °C

PMD01

digital pressure gauge with LCD-display, battery powered

Connections: G ¼ B threaded
Materials: stainless steel
Range: -1...0 – 0...1000 bar
Housing Diameter: 60 and 80 mm
max. Temperature: 70 °C

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PMD02

Digital pressure gauge

Connections: 1/4”, 1/2” threaded
Materials: ceramic, aluminium, stainless steel
Range: 0...2,5 mbar – 0...2500 bar
Housing Diameter: 100 mm
max. Temperature: up to 80 °C
Output Signal: 0(4)...20 mA, 0...10 V, limit switches
Optional: RS232, RS485, data logger, free of oil and grease for oxygen use, battery operated

Pressure Switches, Sensors and Digital Measuring Devices

PS00

Low cost pressure switch

Connections: 1/4” threaded
Materials: steel zinc plated
Range: -0,85...-0,15 bar – 30...320 bar
max. Temperature: 80 °C
Output Signal: up to 4 A / 250 VAC

PS30

Compact pressure switch

Connections: flange connection ISO 16873-01-01-0-11
Materials: NBR, PTFE, bronze, stainless steel, steel
Range: 0,6...6 bar – 80...600 bar
max. Temperature: 80 °C
Output Signal: micro switch, up to 5 A / 250 VAC/DC

PS40

Diaphragm seal piston pressure switch

Connections: 1/4” NPT female,
1/8“ NPT female / ½“ NPT male, G ¼ male
Materials: anodized aluminium, NBR, PTFE, CR
Range: -0,28...0,9 bar – 3,7...34 bar
max. Temperature: 70 °C
Output Signal: micro switch up to 10 A

PS50

Metal diaphragm pressure switch

Connections: 1/4” NPT female, 1/2” NPT female
Materials: stainless steel 1.4301, 17-7PH / SS304
Range: -0,006...-0,2 bar – 0,5...10,3 bar
max. Temperature: 75 °C
Output Signal: micro switch up to 10 A

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PSA10

Electronic pressure switch with display

Connections: 1/4” threaded, fix or rotatable
Materials: stainless steel, FPM
Range: -1...+16 bar – 4...400 bar
max. Temperature: 85 °C
Output Signal: 2 transistor output PNP, adjustable

PSA30

Electronic pressure switch and transmitter

Connections: G ¼ male, G ½ flush., ¼“ NPT male, ½“ NPT
Materials: stainless steel, brass, FKM, EPDM
Range: -1...0 bar – 0...600 bar
max. Temperature: 100 °C
Output Signal: analogue out.., up to 2 limit contacts, IO-Link

PSD30

Electronic differential pressure switch and transmitter

Connections: G ¼ female, ¼“ NPT female
Materials: stainless steel, FKM, EPDM
Range: 0...0,35 bar – 0...35 bar
max. Temperature: 100 °C
Output Signal: analogue out.., up to 2 limit contacts, IO-Link

PUM04

Pressure transmitter of stainless steel with ceramic membrane

Connections: G ½ B male, G ¾ B front flush, G ¼ female
Materials: stainless steel, ceramic
Range: -1...0 – 0...400 bar
max. Temperature: 80 °C
Output Signal: 4...20 mA 2 wire, 0...10 V 3 wire

PUM06

High precision pressure transmitter

Connections: G ½ B male, G ¾ B front flush, G ¼ female
Materials: stainless steel
Range: -1...0 – 0...2500 bar
max. Temperature: up to 80 °C
Output Signal: 4...20 mA 2 wire, 0...10 V 3 wire

PUM50

OEM Miniature pressure transmitter

Connections: 1/4”, 1/2” threaded
Materials: stainless steel
Range: -50...0 mbar - 0...1000 bar
max. Temperature: 100 °C
Output Signal: 4...20 mA, 0...10 V

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Temperature Measurement

TZ04

Dial thermometer

Connections:	1/2” up to 1” threaded
Materials:	stainless steel
Range:	-200...50 to 0...800 °C
Housing diameter:	63, 80, 100, 160, 250 mm
max. Pressure:	25 bar
Output Signal:	up to 4 limit switches, ATEX certified

TEM01

Sheathed temperature probes with cable connection

Connections:	1/4”, 1/2”, M10x1 threaded compression fitting
Materials:	stainless steel, Inconel 600
Range:	-190...+1200 °C
max. Pressure:	25 bar
Output Signal:	Pt100, thermocouple type K

TFK02

Compact resistance temperature sensor (Pt100)

Connections:	1/4” up to 1/2” threaded, for squeezing rings
Materials:	stainless steel
Range:	-50...+200 to -200...600 °C
max. Pressure:	25 bar (40 bar on request)
Output Signal:	Pt100, 4...20 mA, 0...10 V

TFK03

Compact resistance thermometer (Pt100) with M12x1 connector

Connections:	1/4” up to 1/2” threaded, for squeezing rings
Materials:	stainless steel
Range:	-50...+200 to -200...600 °C
max. Pressure:	25 bar (40 bar on request)
Output Signal:	Pt100, 4...20 mA, 0...10 V

TF04

Temperature probes with interchangeable measuring insert acc. to DIN 43735

Connections:	1/2”, 1” threaded, flanged weld-on or smooth pipe
Materials:	stainless steel
Range:	-50 – 1232 °C
max. Pressure:	40 bar
Output Signal:	Pt100, Pt500, Pt1000, thermocouple type K, J, R, S, 4...20 mA

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TSA30

Electronic temperature switch and transmitter

Connections:	G ¼ male, G ½ male, ¼“ NPT male, ½“ NPT male
Materials:	stainless steel, PBT GF30, FKM, EPDM
Range:	0...100 °C, -30...+130 °C, 32...2100 °F, -22...+280 °F
max. Pressure:	200 bar
Output Signal:	analogue out., up to 2 limit contacts, IO-Link

TR02

Temperature transmitter for ambient air

Range:	-20 – +150 °C, 8 selectable standard ranges
power supply	24 VAC/DC or loop powered
max. Pressure:	atmospheric
Output Signal:	Pt1000, 0...10 V or 4...20 mA

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Mechanical Accessories

SB02

Flow limiter

Connections:	1/2”, 3/4” threaded
Materials:	brass, stainless steel
Range:	1 – 40 l/min at 2...10 bar
P_{max} / T_{max}:	10 bar / 200 °C

SB03

Flow limiter for large flow rate

Connections:	3/4” up to 3” threaded
Materials:	brass, stainless steel
Range:	1 – 520 l/min at 2...10 bar
P_{max} / T_{max}:	10 bar / 100 °C

SB04

Flow limiter flange mounted

Connections:	DN 40 up to DN 100 (EN and ASME)
Materials:	stainless steel
Range:	min 2 l/min, max 420 l/min
P_{max} / T_{max}:	10 bar / 200 °C

SF00

Y-Strainer

Connections:	1/4” up to 4” threaded
Materials:	brass, stainless steel
Filter:	1 mm to 0,25 mm
P_{max} / T_{max}:	40 bar / 180 °C

SF02

Fine filter for liquids and gases

Connections:	1/8” up to 3/4” threaded
Materials:	PP, PA
Filter:	5 – 300 µm
P_{max} / T_{max}:	10 bar / 50 °C

SNV01

Needle valve

Connections:	1/8” up to 2” threaded
Materials:	brass, steel, NBR, PTFE
P_{max} / T_{max}:	200 bar / 350 °C

SNV02

Stainless steel needle valve for high pressure applications

Connections:	1/8” up to 2” threaded
Materials:	stainless steel, PTFE, graphite
P_{max} / T_{max}:	400 bar / 250 °C

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SKG01

Ball valve manually operated, hand operated

Connections: 1/4” up to 4” threaded
Materials: brass, stainless steel, PTFE, FKM
P_{max} / T_{max}: 63 bar / 180 °C
2/2- and 3/2-way version available

SKG02

Ball valve with flange connection, hand-operated

Connections: DN 15 up to DN 200” flanged
Materials: cast iron, steel, stainless steel, PTFE, FKM
P_{max} / T_{max}: 40 bar / 180 °C

SKP

Pneumatic actuator for ball valves

For all ball valves type SKG01 and SKG02
Materials: aluminium housing, stainless steel stem
max. Temperature: 95 °C
single acting or double acting, signal connection for limit switch and position controller

SKE

Electric actuator for ball valves

For all ball valves type SKG01 and SKG02
Materials: aluminium housing, stainless steel stem
max. Temperature: 70 °C
24 VDC and 230 VAC versions, emergency manual override, signal connection for limit switch and position controller, optical position indicator

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Digital Displays

AZ01

Self-supplying plug on indicator for 4-20 mA transmitter

Display:	LED, 4-digit
Mounting:	4 pin plug according DIN 43650
max. Temperature:	70 °C
Output Signal:	up to 2 limit contacts (optional)

AZ05

Analogue transmitter with LCD-Display for flowmeter

Display:	LCD, Signal LED
Power supply.	18...30 VDC
max. Temperature:	70 °C
Output Signal:	4...20 mA or 0...10 V, 2 switching outputs

AZ10

Digital display and control unit

Mounting:	panel mounted
Power Supply:	11..36 VDC, 24 VAC, 85...230 VAC
Input Signals:	pulses/frequency, 0(4)...20 mA, 0...10 V; Pt100, thermocouples Output Signals: 0(4)...20 mA, 0..10 V, up to 4 limit switches, relay or transistor, serial interfaces,

AZ20

Digital display and control unit, 5 digits

Mounting:	panel mounted 96x48, 96x24 mm housing
Power Supply:	10..30 VDC, 230 VAC
max. Temperature:	50 °C
Input Signals:	pulses/frequency, 0(4)...20 mA, 0...10 V; Pt100, thermocouples, potentiometer Output
Signals:	0(4)...20 mA, 0..10 V, up to 8 alarm switches serial interfaces, batch counter

AZ30

Digital display for current loop operation, 4 digits

Mounting:	panel mounted 96x48, 96x24, 48x24 mm
max. Temperature:	60 °C
Input Signals:	4...20 mA
Output Signals:	2 Foto MOSFET (optional)

AZ40

Digital display and control unit in IP65 field housing

Mounting:	for field operation
Power Supply:	24 VAC, 24 VDC, 230 VAC, 115 VAC
Input Signals:	pulses/frequency, 0(4)...20 mA, 0...10 V; hydrostatic level sensors
Output Signals:	0(4)...20 mA, 0(2)..10 V, up to 2 relay limit switches (optional)

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AZ50

Multifunctional display and control unit in field housing

Mounting:	for field operation, IP65
Power Supply:	24 VDC +/- 50 %
Add. Function:	Totalizer
Input Signals:	pulses/frequency, 0(4)...20 mA, 0...10 V;
Output Signals:	0(4)...20 mA, 0(2)..10 V and 2 limit switches

AZ260

Digital display unit and counter for pulse input

Power Supply:	24 VDC battery buffered
Display:	8 digit display
Inputs:	2 independent inputs for rate and counter

SGIA

General purpose 4 digit display and counter

Power Supply:	9...28 VDC
Input Signals:	pulses, voltage, current, temperature sensors
Output Signals:	2 transistor limit switches, serial interface RS485

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Electronic Accessories

MSR01

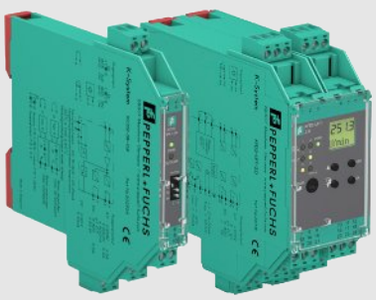
Multifunction relay

Power Supply: 24 VDC, 24 VAC, 115 VAC, 230 VAC
max. Temperature: 70 °C
Input Signals: up to 2 contacts,
integrated control voltage supply
Output Signal: Relay, changeover, 250 VAC, 8 A
sensor supply, monostable and bistable version available,
suitable for direct pump control

P+F

Electronic Components from PEPPERL+FUCHS

Switch amplifier: 1 or 2 chanels signal isolator
24 VDC or 230 VAC
standard- or EX-version
Freq. transmitter: 1 or 2 chanels signal isolator
24 VDC or universal power pack
standard- or EX-version



Z111

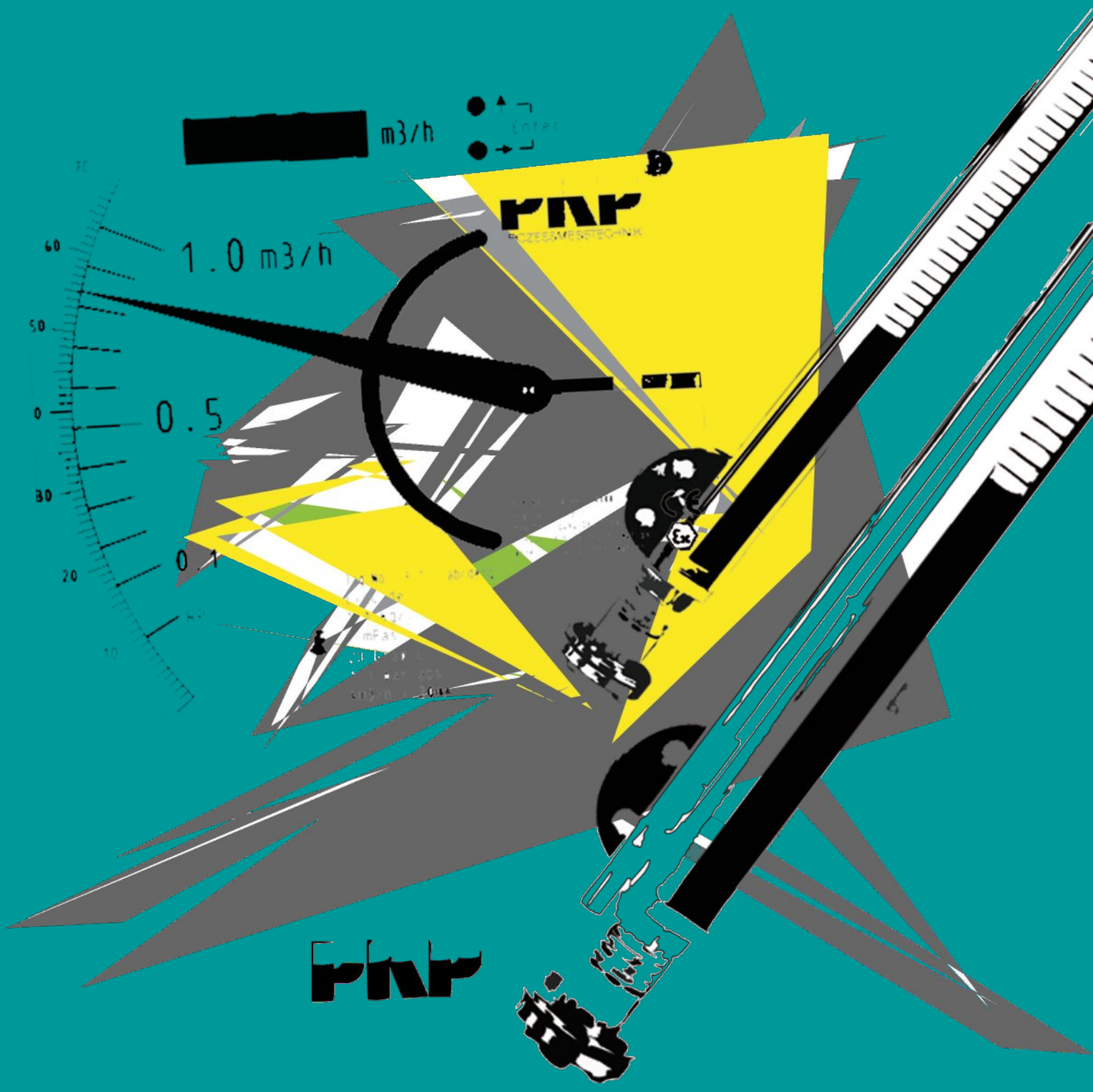
Frequency-analogue converter

Power Supply: 19...40 VDC, 19...28 VAC
max. Temperature: 50 °C
Input Signals: 1 Hz...10 kHz
for all common signals like PNP/NPN OC,
TTL, CMOS, relays
Output Signals: 0(4)...20 mA, 0(1.2)...(5)10 V

SM12

M12 Plug connector with PVC cable

Materials: PVC cable, contact surface: gold-plated
Form: female connection straight or angled
Length/Pole: 2, 5, 10 m / 4-, 5-, 8-pole
max. Temperature: 85°C



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