



*The Source & Force  
in Measurement  
Technology*

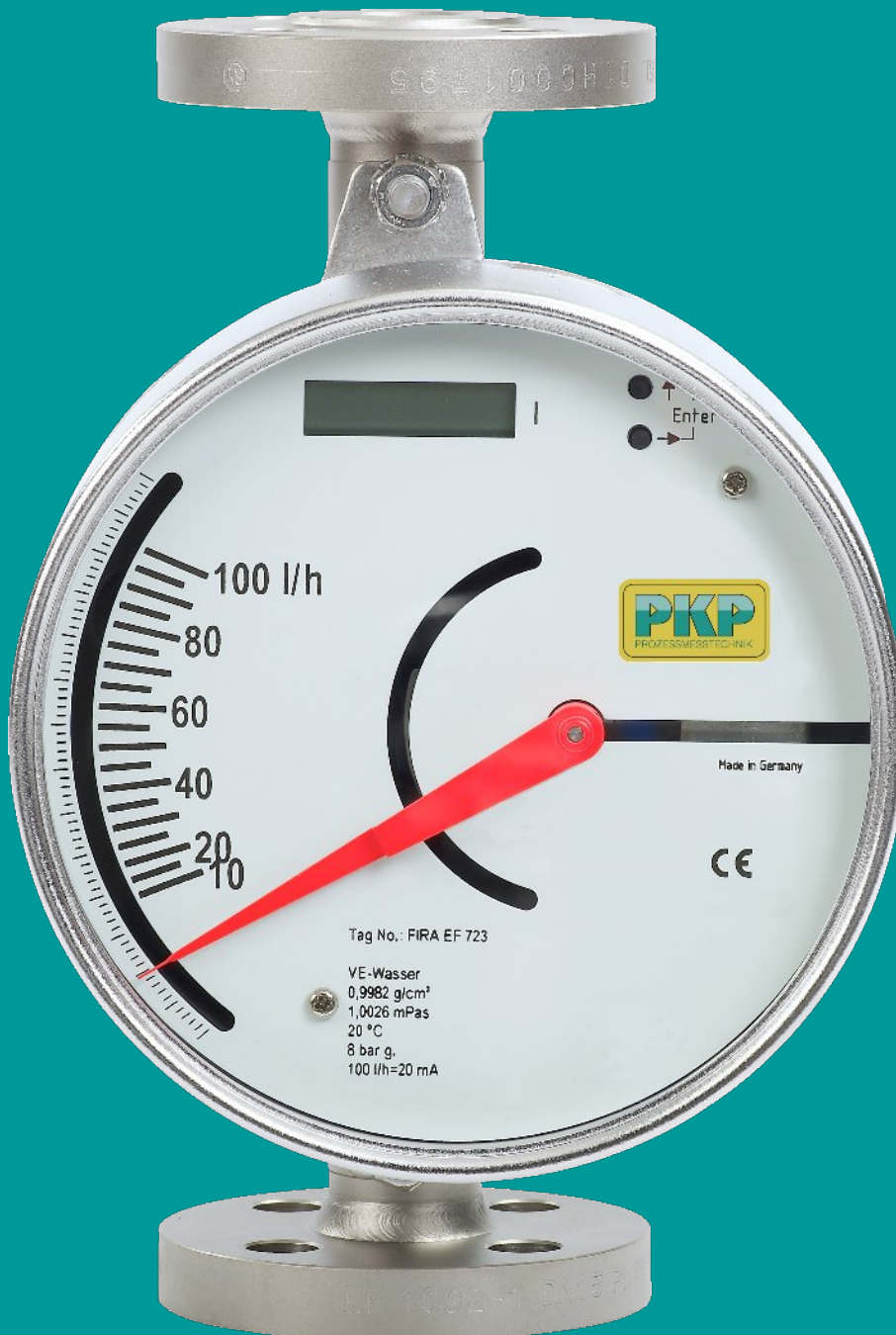


## PRODUCT OVERVIEW

2025

### 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<sub>2</sub> 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**

## ■ 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

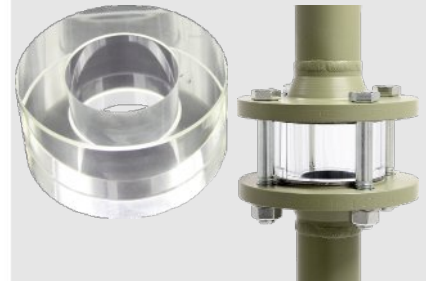
Connections: 1/4" up to 1" threaded  
 Materials: brass, PPh, NBR  
 max. Pressure: 10 bar  
 max. Temperature: 100 °C



### 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



### 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



## DG11

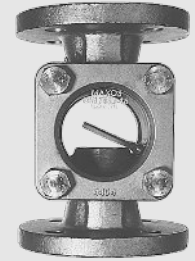
### Sight flow indicator with flanged connection

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: 16 bar  
max. Temperature: 300 °C



## 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 NI/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 NI/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 NI/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 NI/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




## 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 NI/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 NI/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 NI/h – 20.000...200.000 NI/h air  
 Materials: stainless steel, PP, Buna  
 $P_{max} / T_{max}$ : 16 bar / 100 °C  
 Output Signal: switch contacts, optional with ATEX design



## DS15

### Plastic variable area flowmeter

Connections: 3/4" up to 3 1/2" threaded  
 Range: 3...24 l/h – 10...50 m<sup>3</sup>/h water  
 0,2...1 – 400...1500 Nm<sup>3</sup>/h air  
 Materials: PVC, PA, PSU, PVDF, FKM  
 P<sub>max</sub> / T<sub>max</sub>: 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 NI/h – 800...8000 NI/h air  
 Materials: stainless steel 1.4571  
 P<sub>max</sub> / T<sub>max</sub>: 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 m<sup>3</sup>/h water  
 75...750 NI/h – 180...1800 Nm<sup>3</sup>/h air  
 Materials: stainless steel 1.4404  
 P<sub>max</sub> / T<sub>max</sub>: 100 bar / 370 °C  
 Output Signals: up to 2 switch contacts, analogue output  
 equipable with ATEX limit switches



## DS49

### Variable area flow switch with hose nozzle

Connections: hose nozzle  
 Range: 0,005...0,06 l/min – 1...5 l/min water  
 Materials: brass, stainless steel, NBR  
 P<sub>max</sub> / T<sub>max</sub>: 16 bar / 100 °C  
 Output Signal: 1 switch contact



## DS51

### Piston type flow switch for low-flow applications

Connections: 1/4" threaded or hose nozzle  
 Range: 0,1...2,5 l/min water  
 Materials: brass, stainless steel  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 350 bar / 100 °C  
 Output Signal: 1 switch contact



## ■ 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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 1/2"  
 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<sub>max</sub> / T<sub>max</sub>: 10 bar / 100 °C  
 Output Signal: 1 Reed contact

### DP04

#### Paddle-type flow switch with shortenable paddle

Connection: G 1/2 male, for pipe sizes DN 20... DN 200  
 Range: 1,1...30 m³/h  
 Materials: brass, PPE, GFN3, st. st., NBR  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 16 bar / 100 °C  
 Output Signal: 1 or 2 microswitches





## 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 m<sup>3</sup>/h water  
 Materials: brass, stainless steel, PVC  
 P<sub>max</sub> / T<sub>max</sub>: 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 m<sup>3</sup>/h water  
 Materials: brass, stainless steel, PVC  
 P<sub>max</sub> / T<sub>max</sub>: 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 m<sup>3</sup>/h) up to DN 300 (1...8 m/s)  
 Materials: brass, stainless steel  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 200 bar / 330 °C  
 Output Signal: 1 or 2 microswitches, optional 4...20 mA



## 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 -switch and monitor 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

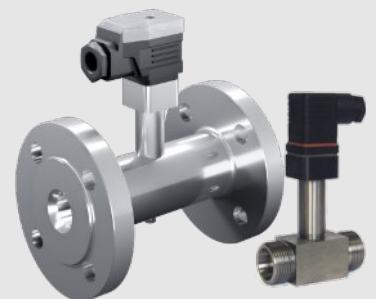
#### Turbine flow sensor for low viscosity liquids

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

### DR12

#### Precision turbine flowmeter

Connections: 3/4" up to 2" threaded  
 DN 10 up to DN 50 flanged  
 Range: 0,055...0,275 – 13...68 m³/h water  
 Materials: stainless steel, wolfram carbide, PTFE  
 $P_{max} / T_{max}$ : 400 bar / 110 °C  
 Output Signal: pulses





## 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<sub>max</sub> / T<sub>max</sub>: 25 bar / 100 °C  
 Output Signal: pulses, 4...20 mA



## 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<sub>2</sub>O<sub>3</sub>, st. st., Sapphire  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>2</sub>O<sub>3</sub>, st. st., Sapphire  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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

## 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



## ■ 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





## 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

## DTL08

### Calorimetric flow sensor for air

Connections: threaded or flanged  
 Range: 0,1...30 m/s air  
 Materials: brass nickel plated  
 $P_{max} / T_{max}$ : 10 bar / 80 °C  
 Output Signal: 4...20 mA, 0...10 V (for flow and temperature), limit switch

## 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 NI/min air  
 Materials: Aluminium, PC, ABS  
 $P_{max} / T_{max}$ : 10 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 NI/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 NI/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 Nm<sup>3</sup>/h... 176133 Nm<sup>3</sup>/h air  
 Materials: stainless steel  
 $P_{max} / T_{max}$ : 50 bar / 110 °C  
 Output Signal: 4...20 mA



## DB51

### Compact thermal flowmeter and counter for gases

Connections:	1/4" up to 2" threaded
Range:	0,8...90 NI/h – 2...1195 Nm <sup>3</sup> /h air
Materials:	stainless steel
P <sub>max</sub> / T <sub>max</sub> :	40 bar / 80 °C
Output Signal:	pulses, 4...20 mA



## 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 1/2" 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

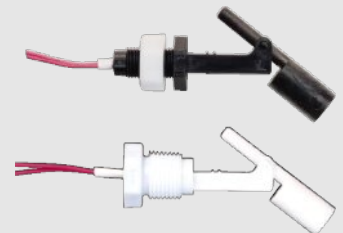
Connection: 1/8" threaded  
 Materials: stainless steel  
 $P_{max} / T_{max}$ : 10 bar / 120 °C  
 Output Signal: Reed NC



### FS14

#### Miniature plastic float level switch for side mounting

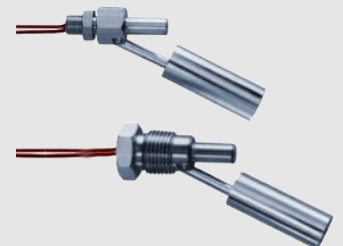
Connections: 1/4", 1/2" threaded  
 Materials: PP, PA  
 $P_{max} / T_{max}$ : 1 bar / 110 °C  
 Output Signal: Reed NC, NO



### 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



## Electronic Level Switches

### FK01

#### Conductive level electrode

Connections: screw M4  
 Materials: stainless steel, PTFE  
 P<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 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<sub>max</sub> / T<sub>max</sub>: 20 bar / 100 °C  
 max. 5 electrodes

### FKE

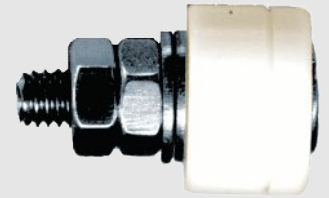
#### Electronic controller for conductive level sensors

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<sub>max</sub> / T<sub>max</sub>: 20 bar / 85 °C  
 max. 3 electrodes, suitable for direct pump control



## FCS02

### Capacitive level switch

 Connections: G 1/2, G 1/2 with weld in fitting  
 Materials: stainless steel, PEEK  
 $P_{max} / T_{max}$ : 10 bar / 70 °C  
 Output Signal: Push Pull

## 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

## FOS01

### Optical level switch


Connections: M16x1, 1/2" threaded  
 Materials: stainless steel, quartz glass  
 $P_{max} / T_{max}$ : 50 bar / 140 °C  
 Output Signal: PNP Open Collector



## ■ 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/m<sup>3</sup>  
 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



## ■ 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 <sub>max</sub> / T <sub>max</sub> :	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 1/4" NPT male
Range:	250 mm up to 1000 mm
Materials:	brass, NBR, FKM, EPDM, NBR stainless steel VA2A, PA / PC
P <sub>max</sub> / T <sub>max</sub> :	15 bar / 80 °C
Output Signal:	analogue outp., up to 2 switch cont., IO-Link


### FM02

**Magnetic float level transmitter- magnetostrictive**

Connections:	1 1/2", 2" threaded or up to DN 100 flanged
Range:	100...6000 mm
Material:	stainless steel
P <sub>max</sub> / T <sub>max</sub> :	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 <sub>max</sub> / T <sub>max</sub> :	400 bar / 450 °C
	Output Signal:	limit switches, level transmitter (optional)



## 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



## 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



## 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 1/2 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 1/4 B threaded  
 Materials: stainless steel  
 Range: -1...0 – 0...1000 bar  
 Housing Diameter: 60 and 80 mm  
 max. Temperature: 70 °C



## 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 / 1/2" NPT male, G 1/4 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



## 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 1/4 male, G 1/2 flush., 1/4" NPT male, 1/2" 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 1/4 female, 1/4" 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 1/2 B male, G 3/4 B front flush, G 1/4 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 1/2 B male, G 3/4 B front flush, G 1/4 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



## 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



## 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



## 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

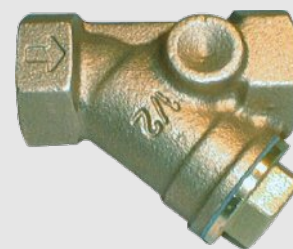
#### Needle valve

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



## 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



## 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  
 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)



## 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



## 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

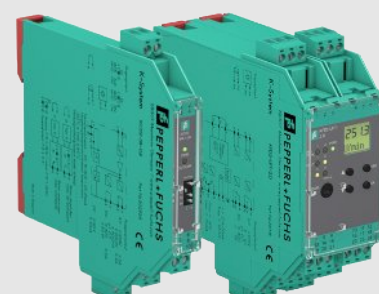


### P+F

#### Electronic Components from PEPPERL+FUCHS

Switch amplifier: 1 or 2 channels signal isolator  
24 VDC or 230 VAC  
standard- or EX-version

Freq. transmitter: 1 or 2 channels 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

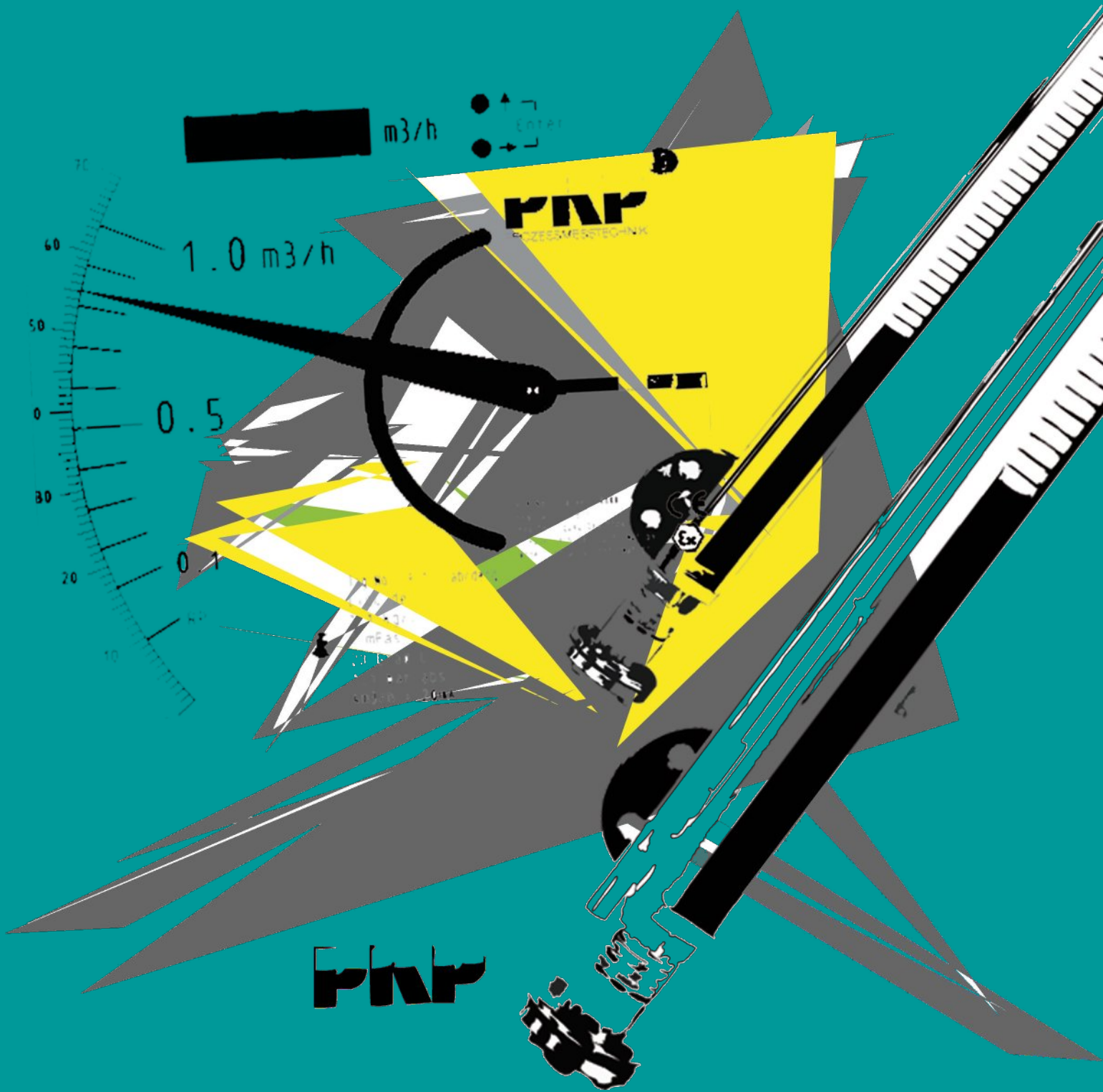
Materials: PVC cable, contact surface: gold-plated

Form: female connection straight or angled

Length/Pole: 2, 5, 10 m / 4-, 5-, 8-pole

max. Temperature: 85°C





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