

- 22 mm Ø ideal for 1" pipes
- Ranges from 250 mbar to 20 bar
- Accuracy  $\leq 0.5\%$
- Analog output: 4...20 mA, 2-wire  
0.5...4.5 V, 0...5 V, 0...10 V, 3-wire
- Optional integrated Pt 100 / Pt 1000 sensor for temperature measurement



## OEM Level-Transmitter P 137

### Technical data:

Range:	0...250 mbar to 0...20 bar
Output signal:	4...20 mA, 2-wire 0.5...4.5 V, 3-wire ratio metric 0...5 V, 0...10 V, 3-wire
Accuracy:	$\leq \pm 0.5\%$ FS @ 25°C
Response time:	50 ms
Power supply:	9...30V DC: 20 mA/5 V output 5V DC: 0.5...4.5 V output 15...30V DC: 10 V output
Ambient temperature:	-25...80 °C
Temperature coeff.:	$\leq \pm 0.02\%$ FS/K (zero) $\leq \pm 0.02\%$ FS/K (span)
Long term stability:	$\leq \pm 0.5\%$ FS p. a. (> 400 mbar)
Housing:	stainless steel, 1.4404 (316L)
Protection class:	IP 68
Sensor:	ceramic AL <sub>2</sub> O <sub>3</sub>
Weight of probe:	ca. 0.2 kg
Weight of cable:	0.4 kg / 10m
Electric connection:	PE cable with pressure compensation capillary and filter

**Nöding**

Meßtechnik

## Ranges

range (bar)		range (mH <sub>2</sub> O)		Overload (bar)
0...250 mbar*	02	0...2,5 mH <sub>2</sub> O*	52	-0,15 / 1,5
0...300 mbar*	X5	0...3 mH <sub>2</sub> O*	66	-0,15 / 1,5
0...350 mbar*	X1	0...3,5 mH <sub>2</sub> O*	67	-0,15 / 1,5
0...400 mbar*	03	0...4 mH <sub>2</sub> O*	53	-0,15 / 1,5
0...500 mbar	B7	0...5 mH <sub>2</sub> O	W2	-0,2 / 3
0...600 mbar	04	0...6 mH <sub>2</sub> O	54	-0,2 / 3
0...1,0 bar	05	0...10 mH <sub>2</sub> O	55	-0,2 / 3
0...1,6 bar	06	0...16 mH <sub>2</sub> O	56	-0,4 / 6
0...2,0 bar	B3	0...20 m H <sub>2</sub> O	W3	-0,4 / 6
0...2,5 bar	07	0...25 mH <sub>2</sub> O	57	-0,4 / 6
0...4,0 bar	08	0...40 mH <sub>2</sub> O	58	-0,8 / 12
0...5,0 bar	F1	0...50 mH <sub>2</sub> O	68	-0,8 / 12
0...6,0 bar	09	0...60 mH <sub>2</sub> O	59	-1 / 25
0...10 bar	10	0...100 mH <sub>2</sub> O	60	-1 / 25
0...16 bar	11	0...160 mH <sub>2</sub> O	61	-1 / 50
0...20 bar	B5	0...200 mH <sub>2</sub> O	W5	-1 / 50

\* Accuracy 1% FS, increased thermal drift, details on request

## Ordering code

### Output Signal

- 4 4...20 mA 2-wire
- 1 0...10 V 3-wire (only HDPE cable)
- 8 0...5 V 3-wire (on request)
- A 0.5...4.5 V 3-wire, ratio metric (on request)
- T 4...20 mA 2-wire and Pt 100 3-wire (only HDPE cable)
- F 4...20 mA 2-wire and Pt 1000 3-wire (only HDPE cable)

### Range

- see table on the left
- 99 non standard range (on request)

### Case material

- 1 stainless steel 1.4404
- 2 brass (on request)
- S stainless steel 1.4404 12mm Serto fitting (on request)

### Cable (can be shortened)

- 002 2m cable > 5m only in 5m intervals
- 005 5m cable
- 010 10m cable > 50m only in 10m intervals
- 050 50m Cable
- 100 100m Cable > 30m only shielded cable

### Cable material

- 0 PE cable
- 2 PUR cable
- 3 PTFE cable (on request)
- 4 HDPE cable
- 6 FEP cable (shielded)

### Cable type

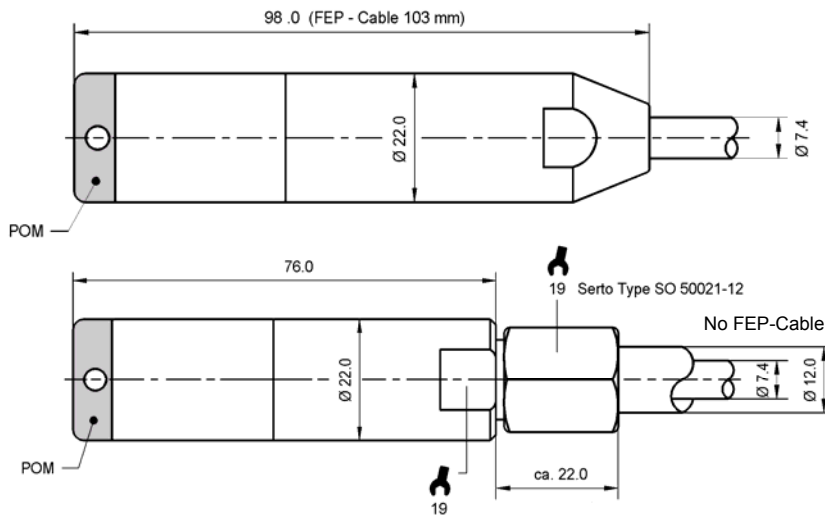
- 0 Unshielded cable (standard)
- 1 Shielded cable

### Sensor seal

- 1 FPM (Viton) standard
- 3 EPDM
- 5 Chemraz 505

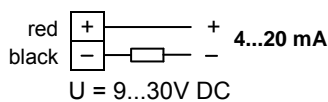
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## Dimensions (mm)

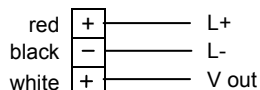


## Electrical connections

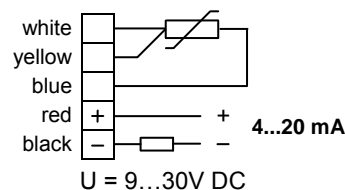
### 4...20 mA, 2-wire



### 0.5...4.5V, 3-wire ratio metric 0...5V/0...10V, 3-wire



### 4...20 mA, 2-wire und Pt 100 / Pt 1000 sensor, 3-wire



For cable lengths > 30m shielded cable is used

Modifications reserved without notice, 10.14