

## Pressure Transmitter

**BT-PT-100**  
**BROIL**



### Constructive characteristics

**Sensor:** Silicon sensing die  
**Material in contact:** AISI316L  
**Case :** AISI304L  
**Protection:** IP65 / IP67  
**Weight:** 0,20 Kg  
**Process connection:** G1/4 or G1/2

### Electrical Characteristics

**Output signal:** 4..20 mA , 0..5 Vdc, 0..10 Vdc ,  
other on request  
**Electrical connection:** cables, DIN 43650 ,  
4 pole connector , other on request  
**Power supplier:** 12...30Vdc (current )  
15..30 Vdc (Voltage)  
**CE conformity:** 89/336 CE (EN 50082-1 e 2 EN50081-1 e 2);  
97/23/CE :3.3 Ps<200 bar cat 1 - Ps=200 bar  
**Isolation resistance at 50 Vdc:** >1000MΩ  
**Response time(10..90%):** =10mS

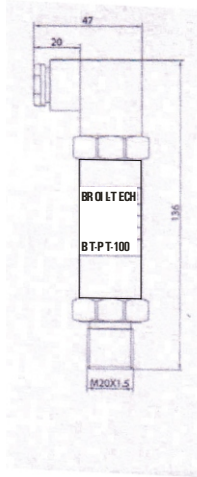
### Functional characteristics

**Pressure range:** 0...0.03 / 0...2000 bar  
**Sensor class (included linearity and hysteresis):** 0,25%  
**Compensate temp. range:** -20..+80°C (-4..+176°F)  
**Permitted temperature fluid:** -20..+80 °C  
(-4..+176°F)  
**Zero drift:** = typical : 0.05% fs/10K  
**Sensibility drift:** = typical : 0.05% fs/10K  
**Zero offset:** =±0.5%FS  
**Max applicable pressure (without decay):** 2 time FS  
**Resistance to bursting:** 3 time FS

# Pressure Transmitter

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### Mechanical dimensions



### Electrical connections

	Terminal		
Power supply (output) 15..30Vdc (0..5-10 Vdc)	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc)	Red (+) Yellow or black (-) white (Out 0..5- 10Vdc)	Pin 1 (+) Pin 2 (-) Pin 3 (Out 0..5- 10Vdc)
Power supply (output) 09..30Vdc (4..20 mA)	Pin 1 (+) Pin 2 (-)	Red(+) Yellow or black (-) Giallo	Pin 1 (+) Pin 2 (-)
Draws			