

PRESSURE TRANSMITTER FOR LIQUIDS AND STEAM

SPW 1 . . Eng.

- Pressure active transducer 0...10 V-
- Mounting on threaded pocket
- Operating voltage 24 V ~.

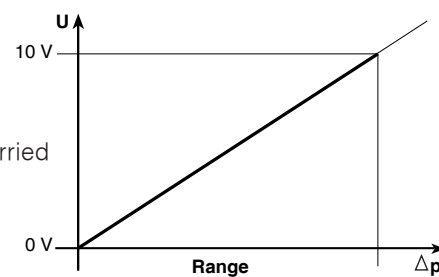


1. APPLICATION

Pressure transmitter for hot/cold water (glycol max 50%) and steam. Do not use fluids with chemical agents. SPW 1.. can be used as a measurement or adjustment transmitter when paired with controllers or readers with input 0...10 Volt.

2. OPERATION

The transmitter sends a signal 0 ...10 Volt which is proportional to the carried out measurement. The unit is factory preset and does not require any further adjustment.



3. MOUNTING

The transmitter is supplied with a threaded male connection G1/2". It must be installed in pipes without turbulences and pressure drops. Whatever mounting position is allowed. If used with fluids with temperature over 80°C or under 0°C and with steam, a spacing collar must be installed.

4. MODELS

Code	Application range (bar)	Overpressure Max (2 x fs)	Breaking (3 x fs)	Output signal (Volt -)	Temperature influence (fs/°C)
SPW 101	0... 1	2	3	0 ... 10	TC0 < 0.03 %
SPW 102	0... 2.5	5	7.5	0 ... 10	TC0 < 0.03 %
SPW 106	0... 6	12	18	0 ... 10	TC0 < 0.03 %
SPW 116	0... 16	32	48	0 ... 10	TC0 < 0.03 %

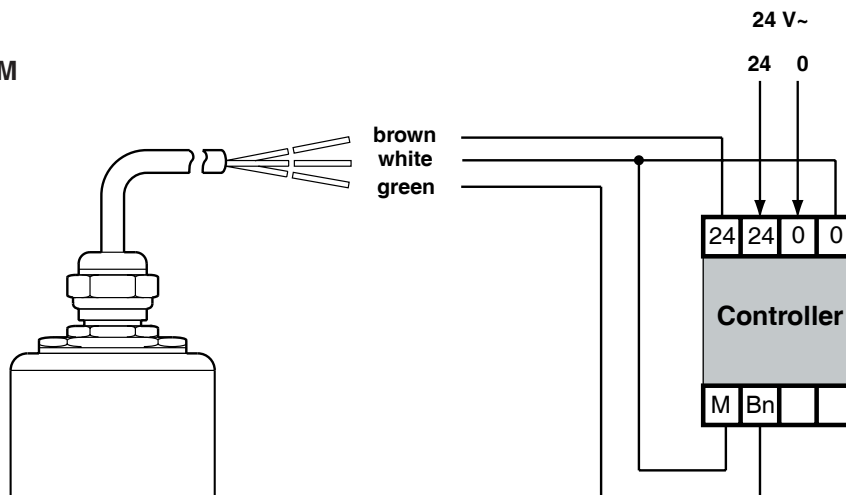
5. TECHNICAL DATA

• **Sensor:**
 application range see models available
 time constant 5ms
 Output signal 0...10 V
 Linearity, hysteresis and repeatability: < ±0.3% fs

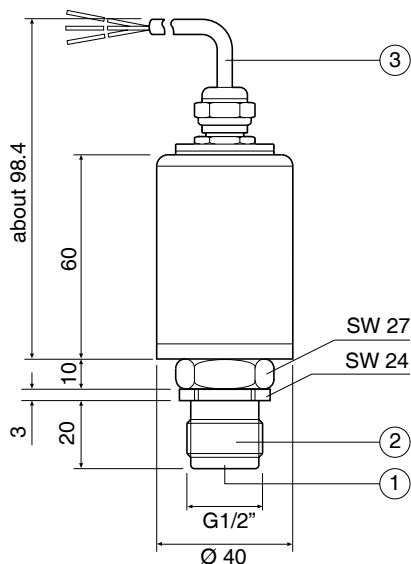
• **Electrical:**
 Power supply : 18 ... 33V~
 24 V~
 Frequency 50 Hz
 Consumption 5 mA
 Load 10 kOhm
 Protection IP 65
 Electromagnetic compatibility 89/336 EEC
 Construction standards Italian Electrotech. Comm.(CEI)

• **Mechanical:**
 Materials: ceramic
 sensor CR (Neoprene)
 seals threaded hole G1/2"
 Pressure inlets:
 Temperature:
 operation: -15 ... 80°C
 storage: -25 ... 80°C
 Weight: 280 g

6. WIRING DIAGRAM



7. OVERALL DIMENSIONS



- 1 - pressure inlet
- 2 - mounting connector
- 3 - cable and signal

Amendment to data sheet

Date	Revision No.	Page	Section	Details of amendments
01.12.08 MZ	01	2	5. TECNICAL DATA	Operation and Storage adjustments under technical data



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