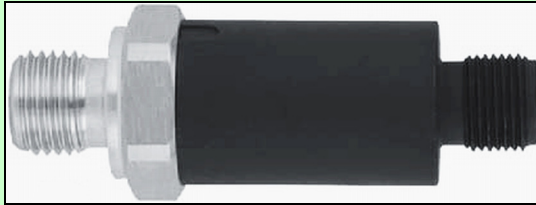


# Amplified pressure transducers

## TPA/TPV-M Series

### Description

- Pressure transducer for OEM applications
- Designed for use in heavy duty industrial environments
- Typical applications: pressure monitoring for construction, industrial, agriculture, lifting, moulding machines, mechanical handling systems, hydraulic systems in general
- 4 to 20 mA or 0.5 to 4.0 Vdc output
- Temperature compensated
- High vibration stability
- On request with 5 and 10 meters electrical extension

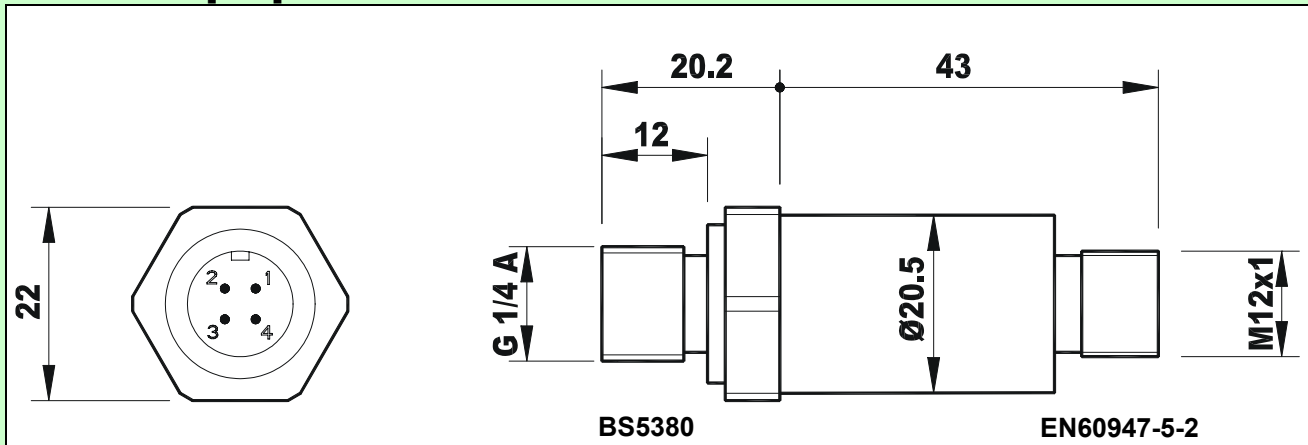


Model	Nominal pressure [bar]	Maximum pressure [bar]	Bursting pressure [bar]
TPA/TPV	250	500	1200
TPA/TPV	400	800	1700

### Technical data

Technical data	TPA-M	TPV-M
Output signal	4 to 20 mA	10 to 80% ratiometric
Power supply	10 to 36 Vdc	5V ± 0.5 Vdc
Accuracy, hysteresis and repeatability	< ±0.5 (BFSL), < ±1 %FS	
Compensated temperature range	-40 to +125 °C	
Thermal zero point shift	≤ ± 0.15 %FS/10K	
Thermal sensitivity (span) shift	≤ ± 0.15 %FS/10K	
Tolerated temperature range	-40 to +125 °C	
Shock resistance	500 g (EN 60068-2-27)	
Vibration stability	20g (EN 60068-2-6)	
Standard protection grade	IP 67	
Construction material	highly resistive, fiberglass-enforced plastic (PBT)	
Max driving torque	30 Nm	

### Dimensions [mm]



It is prohibited to use this apparatus/accessory until the machine onto which it is mounted has been declared in conformity with the Machine Directive 98/37/EEC.

BPE Electronics Srl should modify technical data without advise

TPAV-M v.2.00 2008