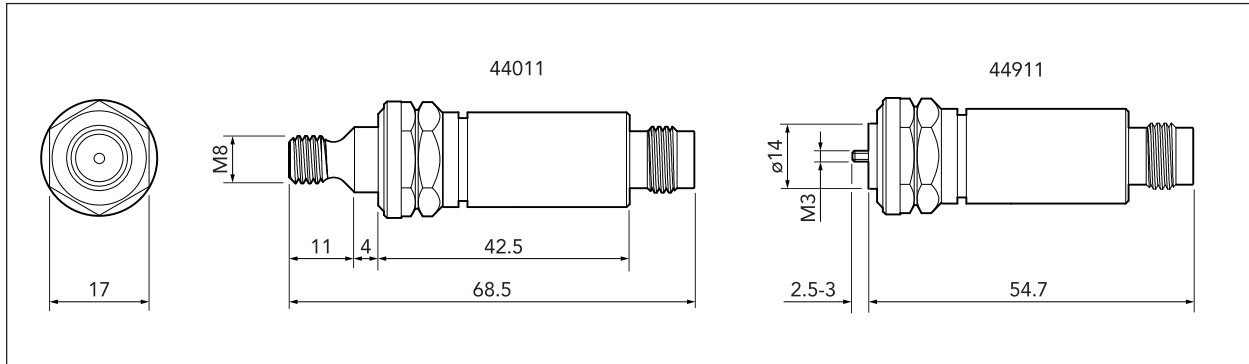


Shock pulse transducers, Ex



The 44000-family of transducers for potentially explosive atmospheres is approved for use in mining, explosive gases and dust.

The transducer is connected to a measuring SPM instrument for bearing condition monitoring. Measuring instruments in hazardous areas must be suitable certified. Instruments outside hazardous areas must be connected via a suitable and certified barrier.

Transducer 44911 has a flat base that is glued to the measuring point, and an M3 screw for unloading and fixing. The recommended adhesives are 3M DP810, Loctite 638 or Loctite 480.

The transducer connector must be fitted with either a mating cable plug or a protection plug to maintain the ingress protection of minimum IP54.

The isolation foot, 16598/17406, must not be exposed to the flow of non-conductive media and hazardous electrostatic charging must be avoided when used in group IIC zone 0, or used in group IIIA/B/C atmosphere.

Technical specifications

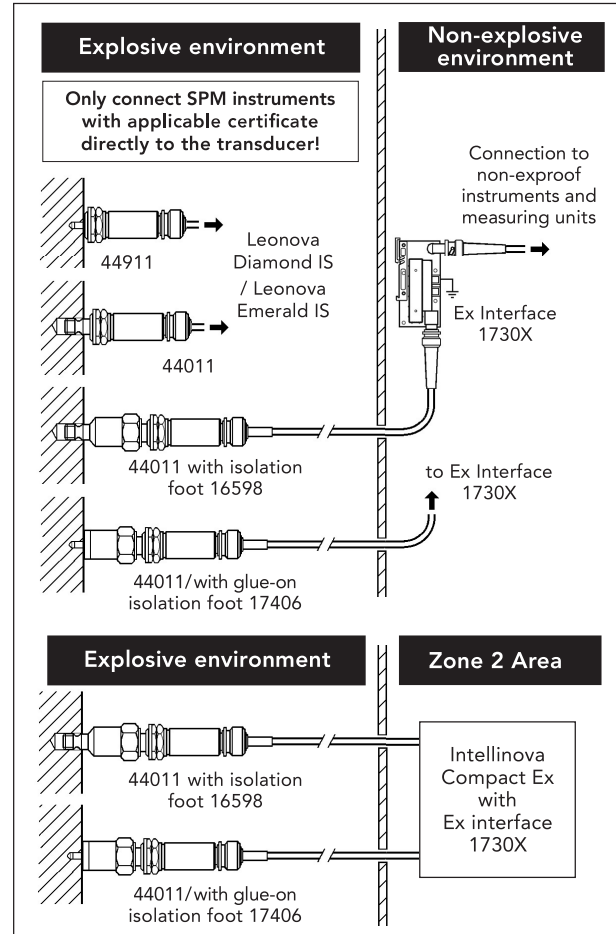
Certificate number: Sira 13ATEX2197X
IECEX SIR 13.0074X

Ex certification: I M1 Ex ia I Ma
II 1G Ex ia IIC T4 Ga
II 1D Ex ia IIIC T 135 °C Da
 T_a : -40 °C to +120 °C
 U_i : 28 V, I_i : 120 mA,
 P_i : 300 mW, C_i : 2 nF

Measuring range: max. 100 dB_{Sv}
Environment: -40 to +120 °C, max. 1 MPa (10 bar)
Enclosure: stainless acid-proof steel
Protection: IP67 (depends on TNC plug)
Electrical connector: TNC
Mounting torque: max. 15 Nm
Weight: 44011: 65 g; 44911: 55 g

Part numbers

44011 Shock pulse transducer, Ex, M8x1.25
44911 Glue-on shock pulse transducer, Ex



Approved accessories

- 13008 TNC plug, crimp, IP67, stainless steel
- 15837 TNC plug, crimp, IP67, stainless steel, conduit hold
- 16598 Isolation foot, M8/M8, -25/+125 °C
- 17155 TNC cable plug, crimp, IP67, stainless steel, conduit removeable hold
- 17406 Glue-on isolation foot, M8, -25/+125 °C
- 90005 RG58 Coaxial cable, -25/+70 °C, 101 pF/m
- 90267 RG400 Coaxial cable, -55/+200 °C, 105 pF/m
- 90472 Adhesive, 3M DP810 (50ml)
- 93022 TNC plug, crimp, IP65, straight
- 93035 TNC dust cap, IP67
- 93077 TNC plug, crimp, IP65, right angle

