

Transducer Transmitter

FEATURES

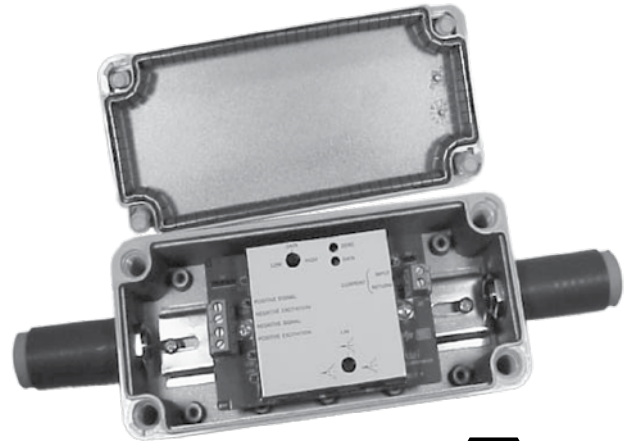
- ATEX approved EEx ia IIC T4
- IP67
- Well protected enclosure
- Two wires transmitter

APPLICATIONS

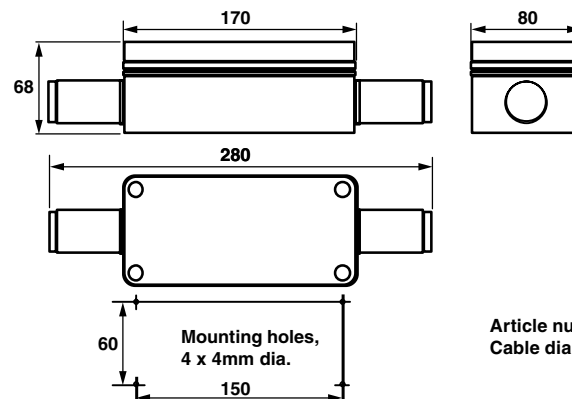
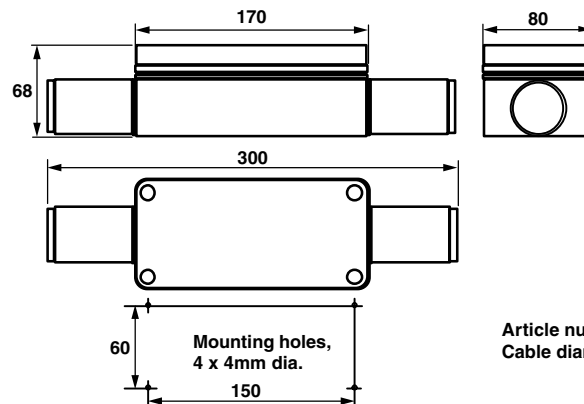
- Transducers in ATEX area
- Force measurement

DESCRIPTION

BILT 4 is a two wire current loop transmitter designed for industrial applications by means of strain gage transducers. Build in a protected polycarbonate enclosure with protection from dust and humidity. BILT 4 is approved for ATEX areas.



OUTLINE DIMENSIONS in mm



Transducer Transmitter

SPECIFICATIONS	
PARAMETER	VALUE
EX. SAFETY DESCRIPTION	
Ex approval	SP Ex 01.E.604
EEx ia IIC T4	Intrinsically safe
T _{amb} (temperature range)	-20 to +40°C
U _i	30 V
P _i	1.30 W
I _i	200 mA
C _i	30.0 nF
L _i	10.0 µH
ANALOG OUTPUT	
Current	4–20 mA
Nonlinearity	<0.1% of range
TRANSDUCER INPUT	
Transducers	350–1000 Ω
Excitation	0.96 VDC
Signal input	0.4–3.8 mV/V
Zero adjustment (with 350 Ω transducer)	±0.58 mV/V
Calibration methods	Dead weight, shunt, and with transducer simulator
MECHANICAL DATA	
Protection	IP67
Art. No. 110 201: Dimension (incl. protection at cable glands) Cable diameter	300×80×68 mm 11.0–17.5 mm
Art. No. 110 202: Dimension (incl. protection at cable glands) Cable diameter	280×80×68 mm 5.0–12.0 mm
ENVIRONMENTAL	
Operating temperature	-25 to +70°C
In intrinsic safe circuit	-20 to +40°C
POWER SUPPLY – UNREGULATED POWER SUPPLIES CAN NOT BE USED	
Voltage	8–30 VDC
Consumption	4–20 mA