

IP Converters YT-930 / YT-940

Design features

- **Flameproof Housing (YT-940)** for Zone 1 installation.
- **High Accuracy and Sensitivity** with pressure sensor.
- **Analogue PID control.** High resolution proportional control
- **No effect from mounting orientation.**



YT-930

YT-940



Item Type	YT-930	YT-940
Input Signal	4 to 20 mA DC	
Output Signal	Standard	0.02 to 0.1 MPa (0.2 to 1.0 bar)
	Multirange	0 to 0.12 MPa (0 to 1.2 bar)
		0 to 0.23 MPa (0 to 2.3 bar)
Supply Pressure	Standard	0.13 to 0.16 MPa (1.3 to 1.6 bar)
	Minimum	0.2 bar greater than the maximum calibrated output pressure
	Maximum	0.24 MPa (2.4 bar)
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex ia IIIC T100°C/ T85°C Db	FM Class I Division 1 Groups A,B,C,D Class II, III Division 1 Groups E,F,G Class I Zone 1 AEx d IIC T6 Ta=-40°C to + 75°C, T5 Ta=-40°C to + 85°C, Type 4X, IP66 Zone 21 AEx tb IIIC T85°C Ta=- 40°C to +75°C, T100°C Ta= -40°C to +85°C, Type 4X, IP66 KCs Ex d IIC T5/T6
Air consumption	Below 2 LPM (sup = 0.14 MPa)	
Flow Capacity	70 LPM (sup = 0.14 MPa)	
Explosion Temp.	-40 to 60 °C (T5) / -40 to 40 °C (T6)	
Operating Temp.	-40 to 85 °C (-22 to 185 °F)	
Linearity	±0.5% F.S.	
Hysteresis	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Repeatability	±0.3% F.S.	
Air Connection	(N)PT 1/4	
Conduit	G 1.2 (PF 1/2)	
Ingress Protection	IP66	Type 4X, IP66
Impedance	Max. 313 Ω @ 20 mA DC	
Material	Aluminium Diecasting	
Weight	1.6 kg (3.53 lb)	3 kg (6.61 lb)

Product Code

YT-930 - N - 1 - 1 - L - 0 - 0

Model

YT-930 = Intrinsically Safety Type
YT-940 = Flameproof Type

Explosion Protection

YT-930	YT-940
N = Non-Explosion	C = KCs
I = ATEX, IECEx	A = FM, CSA

Output Pressure

1 = 0.02 to 0.1 MPa
2 = 0.00 to 0.12 MPa
3 = 0.04 to 0.2 MPa
4 = 0.00 to 0.23 MPa

Conduit - Air Connection

1 = G1/2 - PT1/4
2 = G1/2 - NPT1/4

Operating Temp.

L = -40 to 85 °C

Option

0 = None
1 = Feedback Signal (4 to 20 mA DC)

Gauge

0 = None
1 = 0 to 0.2 MPa
2 = 0 to 0.4 MPa

Dimensions: mm (Inches ")

