

# 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.**

Item Type	YT-930	YT-940
Input Signal	4 - 20 mA DC	
Output Signal	Standard	0.02 - 0.1 MPa (0.2 - 1.0 bar)
	Multirange	0 - 0.12 MPa (0 - 1.2 bar)
		0.04 - 0.2 MPa (0.4 - 2.0 bar)
Supply Pressure	Standard	0.13 - 0.16 MPa (1.3 - 1.6 bar)
	Minimum	0.2 bar greater than the maximum calibrated output pressure
	Maximum	0.24 MPa (2.4 bar)
Explosion Protection Type	<b>ATEX, IECEx</b> Ex ia IIC T5/T6 Gb, Ex ia IIIC T100°C/ T85°C Db	<b>FM</b> 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  <b>KCs</b> 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)



YT-930

YT-940



## 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 - 0.1 MPa  
2 = 0.00 - 0.12 MPa  
3 = 0.04 - 0.2 MPa  
4 = 0.00 - 0.23 MPa

### Conduit - Air Connection

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

### Operating Temp.

L = -40 to 85 °C

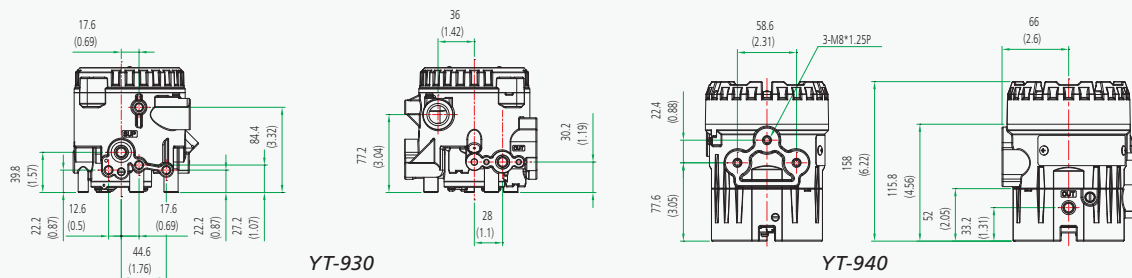
### Option

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

### Gauge

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

Dimensions: mm (Inches ")



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