

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 Pressure	Multi-range	1 0.02 ~ 0.1 MPa (0.2 ~ 1.0 bar)
		2 0.00 ~ 0.12 MPa (0 ~ 1.2 bar)
		3 0.04 ~ 0.2 MPa (0.4 ~ 2.0 bar)
		4 0.00 ~ 0.23 MPa (0 ~ 2.3 bar)
Supply Pressure	Multi-range	1 0.13 ~ 0.16 MPa (1.3 ~ 1.6 bar)
		2 0.14 ~ 0.16 MPa (1.4 ~ 1.6 bar)
		3 0.22 ~ 0.24 MPa (2.2 ~ 2.4 bar)
		4 0.25 ~ 0.27 MPa (2.5 ~ 2.7 bar)
Explosion Protection Type	ATEX, IECEx Ex ia IIC T5/T6 Gb, Ex ia IIIC T100°C/ T85°C Db	FM, CSA 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) Below 0.08 CFM (sup = 20 psi)	
Flow Capacity	70 LPM (sup = 0.14 MPa) 2.47 CFM (sup = 20 psi)	
Explosion Temp.	-40 to +60 °C (T5) / -40 to +40 °C (T6)	-40 to +85 °C (T5) / -40 to +75 °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	Rc1/4, 1/4 NPT	
Conduit	G1/2	
Ingress Protection	IP66	Type 4X, IP66
Impedance	Max. 390Ω @20mA DC	Max. 313Ω @20mA DC
Material	Aluminium Diecasting	
Weight	1.6 kg (3.53 lb)	2.5 kg (5.6 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
N = Non-Explosion
i = ATEX, IECEx

YT-940
C = KCs, 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 - Rc1/4
2 = G1/2 - 1/4 NPT

Operating Temp. (Non-explosionproof)¹

L = -40 to +85 °C (-40 to +185 °F)

Option

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

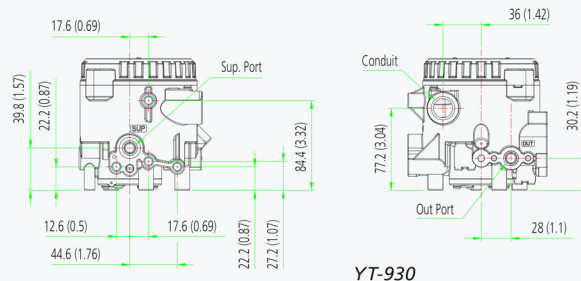
Gauge

0 = None
1² = 0 to 0.2 MPa
2² = 0 to 0.4 MPa

Notes:

1. This option is the normal operating temperature of the product and is not related to explosion protection temperature. See certificates for explosion protection temperature.
2. For 1 or 2 in Output Pressure option.
3. For 3 or 4 in Output Pressure option.

Dimensions: mm (Inches *)



YT-930

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