

REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
△	First issued	OSS/20191015	KCH/20191015	KTJ/20191015
△	Drawing updated	KCH/20250108	JCS/20250108	KTJ/20250108

This pressure gauge will be replaced with a plug for single acting type.

7	Indicator dome	Polycarbonate	1	
6	Pressure gauge	STS304	2	
5	Gauge block	ALDC12	2	
4	Vent cover	PC	1	
3	Main shaft	STS303	1	
2	Base cover	ALDC12	1	
1	Base body	ALDC12	1	
No.	Part name	Material	Q'ty	Remark

Specifications

Acting Type	☐ Single ☐ Double	
Input Signal	4–20 mA DC	
Impedance	Max. 500 Ohm/20 mA DC	
Supply Pressure	0.14 to 0.7MPa (1.4 to 7bar)	
Explosion Protection	☐ Non–Explosion proof ☐ Ex ia IIC T5/T6 ...	
Stroke	55 to 110"	
Operating Temp.	☐ –30 to 85 °C (–22 to 185 °F) ☐ –40 to 85 °C (–40 to 185 °F) ☐ –55 to 85 °C (–67 to 185 °F) : Only Non–Explosion	
Ambient Temp. of Explosion proof	–40 to 60 °C(T5) / –40 to 40 °C(T6)	
Linearity	± 0.5 % F.S.	
Hysteresis	± 0.5 % F.S.	
Sensitivity	± 0.2 % F.S.	
Repeatability	± 0.3 % F.S.	
Conduit entry, Air Connection	☐ G 1/2, Rc 1/4 ☐ G 1/2, 1/4 NPT ☐ G 1/2, G 1/4 ☐ M20x1.5P, 1/4 NPT ☐ 1/2 NPT, 1/4 NPT	
Gauge Connection	1/8 NPT	
Air consumption	Below 2 LPM (Sup. = 0.14 MPa, 1.4 bar)	
Flow Capacity	70 LPM (Sup. = 0.14 MPa, 1.4 bar)	
Ingress Protection	IP66, Type 4X(FM), (excluding the pressure gauges)	
Main Board	MPU	16 bit Micro Controller
	A/D Converter	12 bit
	D/A Converter	12 bit
Output Characteristics	Linear, EQ%, Quick Open, User set	
Communication	HART Communication (HART 7)	
Analog Output	☐ None ☐ 4–20 mA (DC 9–28 V)	
Digital In / Out	Applied	
Housing material	Aluminum	
Weight	2.0 kg (4.4 lb)	

Limit Switch Specification

Switch Type	☐ Mechanical Switch x2	☐ Proximity Sensor x2
Rated Voltage	3 A-125 VAC 2 A-30 VDC	8.2 VDC Not Detected ≥ 3 mA Detected ≤ 1 mA
Ambient Temp.	-40 to 85 °C	-25 to 100 °C

PROJECT NAME

SURFACE TEXTURE		PRODUCT NAME	
FINISH TREATMENT		Smart positioner	
MATERIAL		MODEL	
OTHERWISE NOTE		YT-3700R	
GENERAL TOLERANCE		PROJECTION	SCALE
		3rd	1 / 2.5
		QUANTITY	SHEET No.
		1	1 / 1

rotork Rotork YTC Limited	
GIMPO-SI, KOREA	
TITLE	
Rotary, LS internal	
DRAWING NO.	REV.
YT-3700R-2	1