

REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
△	First issued	KCH/20250109	JCS/20250109	KTJ/20250109
△				

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	G 1/2	
Air Connection	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	Stainless steel 316	
Weight	5.1 kg (11.2 lb)	

6	Pressure gauge	STS316	2	
5	Gauge block	STS316	1	
4	Vent cover	STS316	1	
3	Main shaft	STS316	1	
2	Base cover	SCS14	1	
1	Base body	SCS14	1	
No.	Part name	Material	Q'ty	Remark

SURFACE TEXTURE		PRODUCT NAME		PROJECT NAME	
FINISH TREATMENT		Smart positioner			
MATERIAL		MODEL		rotork® Rotork YTC Limited	
OTHERWISE NOTE		PROJECTION		TITLE	
GENERAL TOLERANCE		3rd		Rotary, Standard	
		SCALE		DRAWING NO.	
		1 / 2.5		YTC-3750R-1	
		QUANTITY		REV.	
		SHEET No.		0	
		1 / 1			