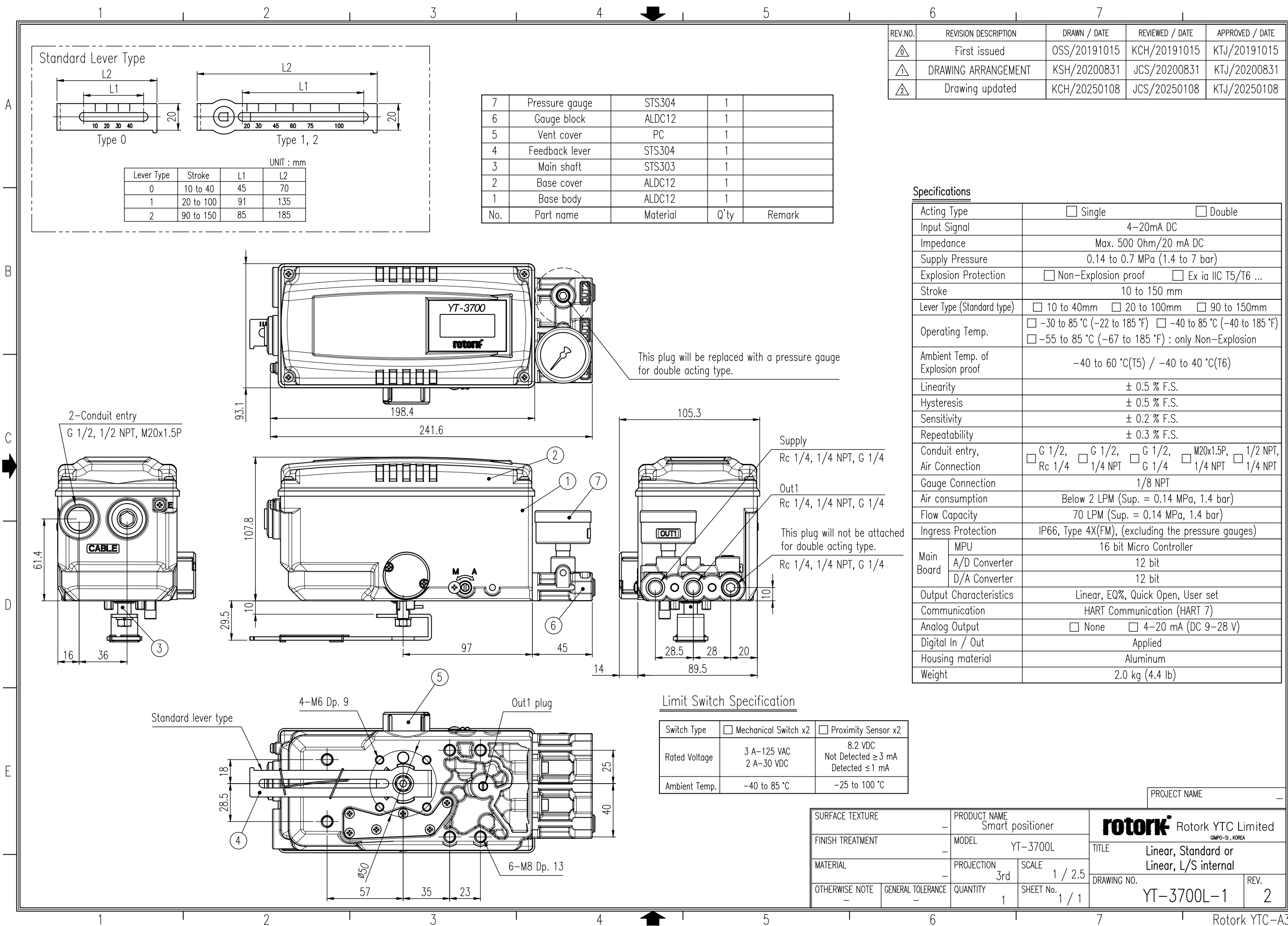




REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
△	First issued	OSS/20191015	KCH/20191015	KTJ/20191015
△	DRAWING ARRANGEMENT	KSH/20200831	JCS/20200831	KTJ/20200831
△	Drawing updated	KCH/20250108	JCS/20250108	KTJ/20250108

Specifications

Acting Type	☐ Single		☐ Double	
Input Signal	4-20mA DC			
Impedance	Max. 500 Ohm/20 mA DC			
Supply Pressure	0.14 to 0.7 MPa (1.4 to 7 bar)			
Explosion Protection	☐ Non-Explosion proof		☐ Ex ia IIC T5/T6 ...	
Stroke	10 to 150 mm			
Lever Type (Standard type)	☐ 10 to 40mm	☐ 20 to 100mm	☐ 90 to 150mm	
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
Ambient Temp.	-40 to 85 °C

SURFACE TEXTURE		PRODUCT NAME		rotork® Rotork YTC Limited GIPO-SI, KOREA	
FINISH TREATMENT		Smart positioner			
MODEL		YT-3700L		TITLE	
MATERIAL		3rd			
PROJECTION		SCALE		Linear, Standard or Linear, L/S internal	
3rd		1 / 2.5			
OTHERWISE NOTE		SHEET No.		DRAWING NO.	
GENERAL TOLERANCE		1 / 1			
1		1 / 1		YT-3700L-1	
				REV.	
				2	

rotork® Rotork YTC Limited GIMPO-SI, KOREA		TITLE	
		Linear, Standard or Linear, L/S internal	
DRAWING NO.		REV.	
YT-3700L-1		2	