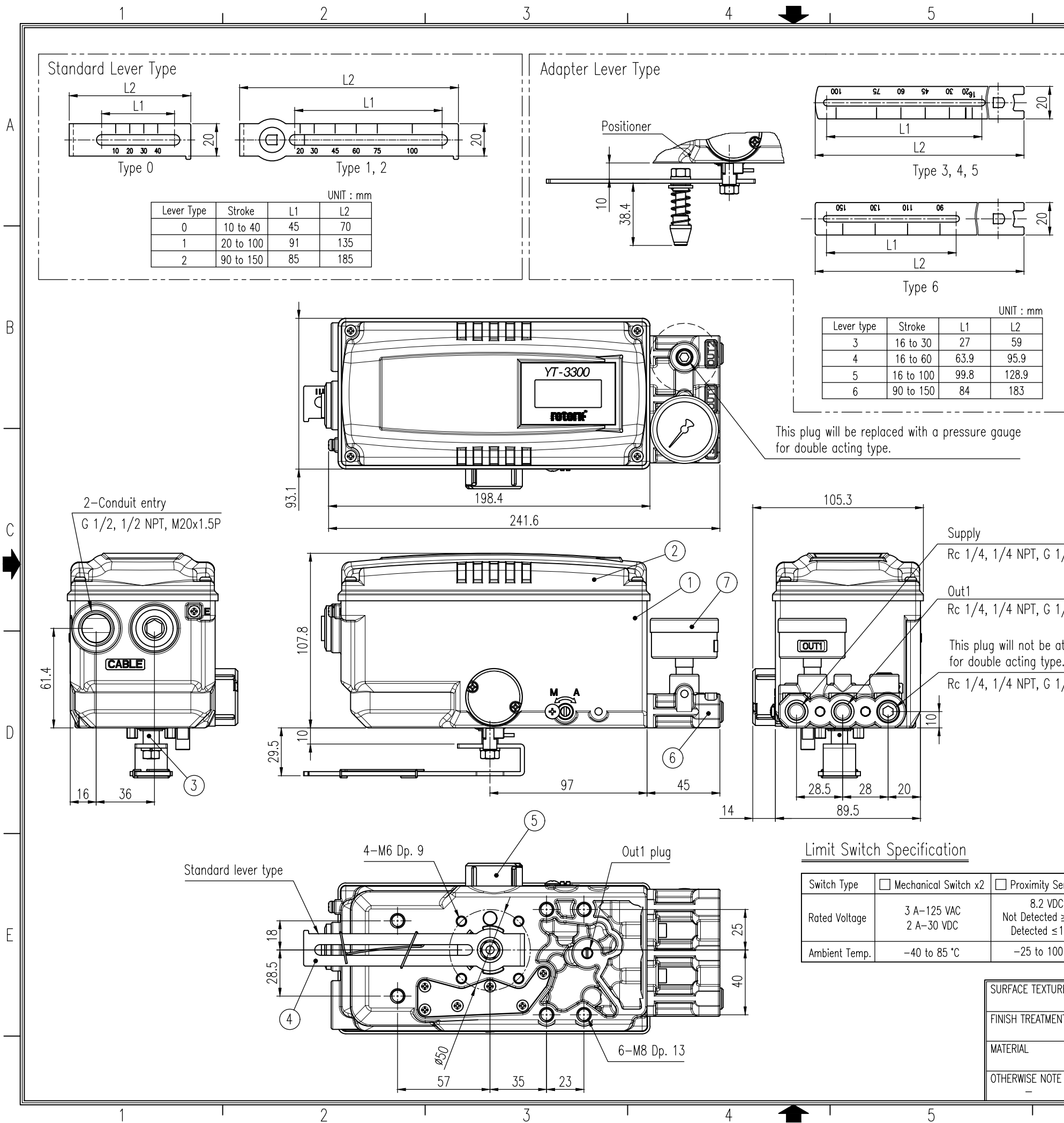




REV.NO.	REVISION DESCRIPTION	DRAWN / DATE	REVIEWED / DATE	APPROVED / DATE
	Previous versions omitted			
4	Drawing arrangement	OSS/20191010	KCH/20191010	KTJ/20191010
5	Drawing updated	KCH/20250116	JCS/20250116	KTJ/20250116

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	☐ 10 to 40 mm ☐ 20 to 100 mm ☐ 90 to 150 mm		Adapter	☐ 16 to 30 mm
						☐ 16 to 60 mm
						☐ 16 to 100 mm
						☐ 90 to 150 mm
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, 1/4 NPT ☐ 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		☐ None ☐ HART Communication (HART 7)				
Analog Output		☐ None ☐ 4–20 mA (DC 9–28 V)				
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
	8.2 VDC Not Detected ≥ 3 mA Detected ≤ 1 mA
	-25 to 100 °C

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

SURFACE TEXTURE	PRODUCT NAME	Smart positioner		PROJECT NAME	
FINISH TREATMENT	MODEL	YT-3300L		TITLE	
MATERIAL	PROJECTION	SCALE	1 / 2.5	Linear, Standard or Linear, L/S internal	
OTHERWISE NOTE	GENERAL TOLERANCE	QUANTITY	SHEET No.	DRAWING NO.	REV.
		1	1 / 1	YT-3300L-1	5