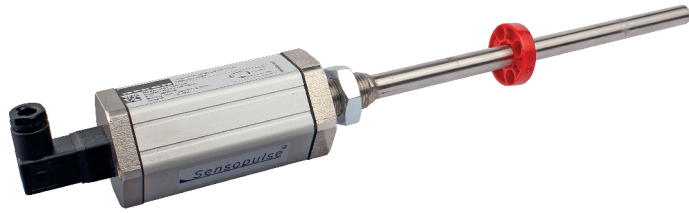


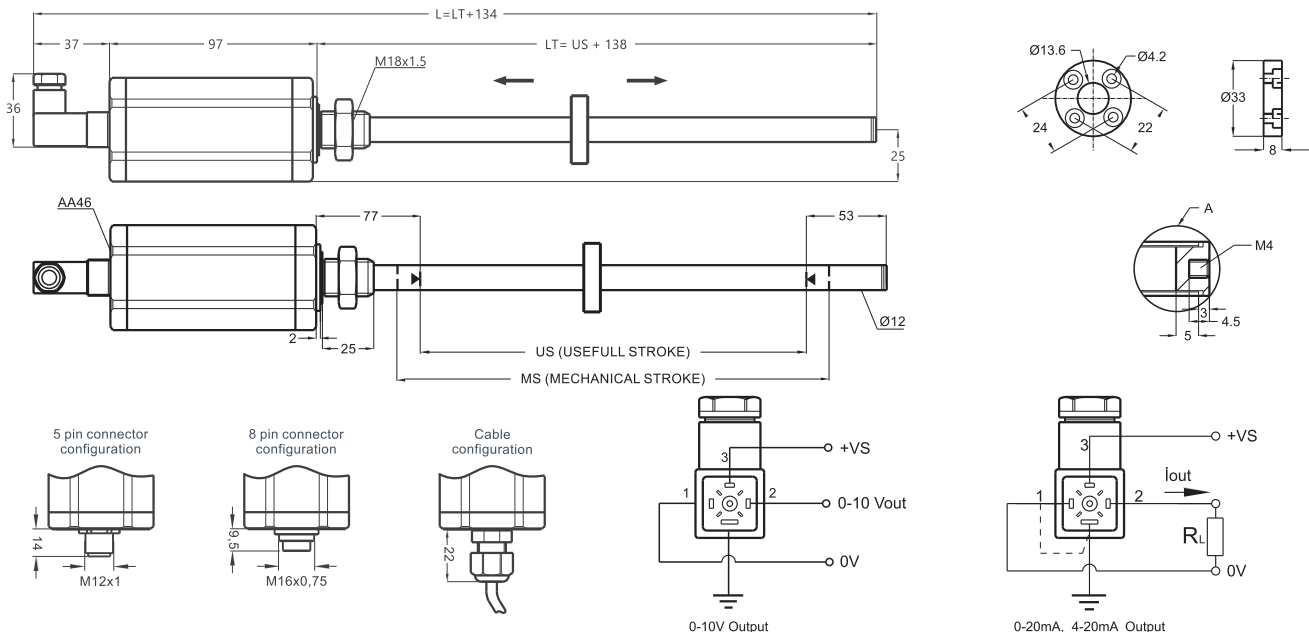
Magnetostrictive Position Sensor

- Measuring range 100 - 3000 mm
- 16 bit resolution
- Output 0...10 V, 0...20 mA, 4...20 mA
10...0 V, 20...0 mA, 20-4 mA
- 24 VDC power supply



Technical specifications

Measurement stroke	100 to 3000 mm
Resolution	16 bit DAC output
Repeatability	±0,005% (full scale)
Output	0-10 V, 4-20 mA, 0-20 mA / 10-0 V, 20-4 mA, 20-0 mA
Power supply	24 VDC ±10%
Displacement speed	< 10 m/s
Sampling rate	up to 2 kHz (depending on stroke length)
Max. consumption	50 mA - 90 mA (depending on stroke length)
Max. output noise	< 5 mVpp
Max. output value	10.5 V
Linearity	±0,02% full scale (min. 100 µm)
Update time	0,5 ms up to 1000 m / 0,8 ms up to 2000 m
Reverse polarity protection	Up to -30 VDC
Overvoltage protection	Up to 40 VDC
Pressure rating	< 500 bar
Mounting	M18 x 1.5
Housing material	Profile: Anodized aluminium, Tube: Stainless steel, Caps: Stainless steel
IP protection	IP 65
Operating temperature	-10°C ... +70°C
Storage temperature	-30°C ... +90°C



MST (mm)	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300	1400	1500	1750	2000	2250	2500	3000
US (Usefull Stroke)	108	158	208	258	308	358	408	458	508	558	608	658	708	758	808	858	908	1008	1108	1208	1308	1408	1508	1758	2008	2258	2508	3008
MS (Mechanical Stroke)	128	178	228	278	328	378	428	478	528	578	628	678	728	778	828	878	928	1028	1128	1228	1328	1428	1528	1778	2028	2278	2528	3028
LT	238	288	338	388	438	488	538	588	638	688	738	788	838	888	938	988	1038	1138	1238	1338	1438	1538	1638	1888	2138	2388	2638	3138
L (Total Length)	372	422	472	522	572	622	672	722	772	822	872	922	972	1022	1072	1122	1172	1272	1372	1472	1572	1672	1772	2022	2272	2522	2772	3272

Model		Measurement stroke	Resolution	Output		Connector / Cable
(example)	MST	900	A	V10		C2
	MST	100 ... 3000 mm	A: 16 bit	V10: 0 - 10 V V01: 10 - 0 V I40 : 4 - 20 mA I20 : 0 - 20 mA I04 : 20 - 4 mA	V11: 0 - 10 V / 10 - 0 V I41 : 4 - 20 mA / 20 - 4 mA I21 : 0 - 20 mA / 20 - 0 mA	C2 : 4 pin connector 1M : 1 meter cable 2M5: 2,5 meter cable