

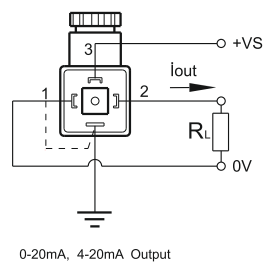
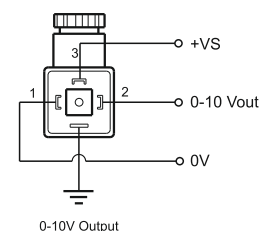
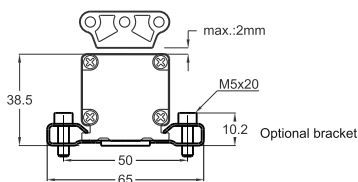
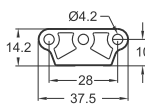
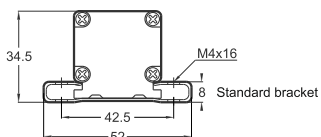
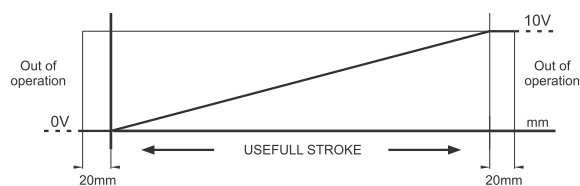
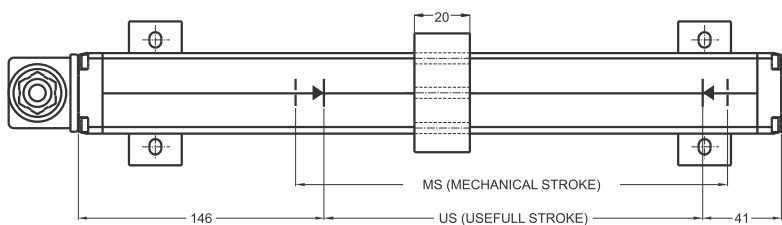
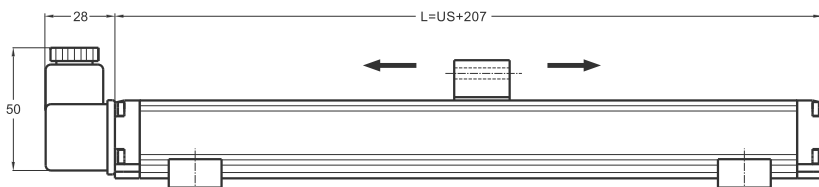
Magnetostrictive Position Sensor

- 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
IP degree	IP 65



MSS (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)	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	1020	1120	1220	1320	1420	1520	1770	2020	2270	2520	3020
MS (Mechanical Stroke)	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960	1060	1160	1260	1360	1460	1560	1810	2060	2310	2560	3060
L (Total Length)	307	357	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1207	1307	1407	1507	1607	1707	1957	2207	2457	2707	3207

Model	Measurement stroke	Resolution	Output	Connector / Cable
(example) MSS	300	A	V10	C1
MSS	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