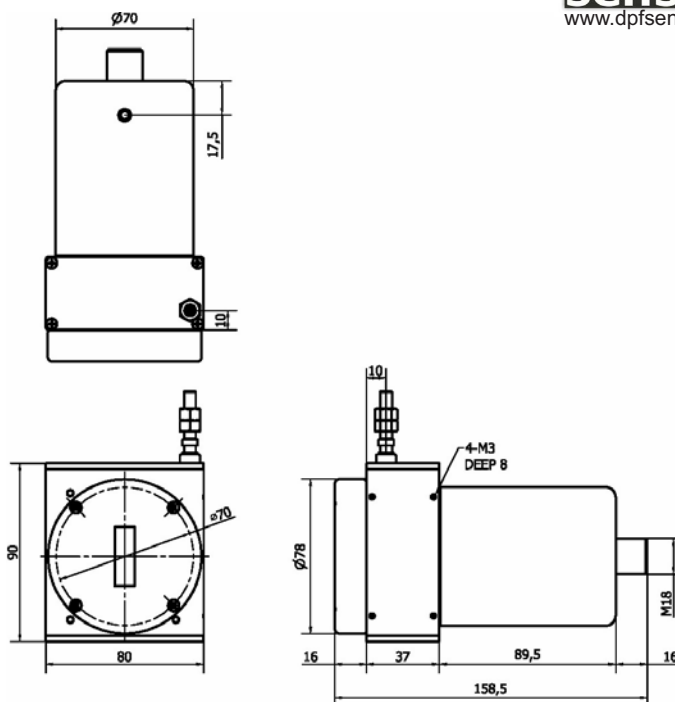


MLS-M

LINEAR WIRE TRANSDUCER

- PRECISION ELECTRIC 0-10V AND CURRENT 4-20mA SIGNAL OUTPUT
- SUITABLE FOR SHORT TO MEDIUM MEASUREMENT RANGE



ELECTRICAL SPEC.

Full Stroke (mm)	1000, 1250, 1500, 2000
Sensor	Inductive Proximity Sensor
Output Signal Mode	4-20mA ($\pm 0.8\text{mA}$); 0-10V ($\pm 0.4\text{V}$)
Resolution	0.3 mm
Time Delay before availability	≤ 50 msec
Input Power (U_B)	15-30Vdc
No-load supply current	≤ 12 mA
Max. load at current output A2	500 Ω ($U_B = 15\text{V}$); 1K Ω ($U_B = 30\text{V}$)

MECHANICAL SPEC.

Wire Specification	(stroke < 1250 mm) Diameter 0.6 mm SUS304 with nylon – coated (stroke < 1500 mm) Diameter 0.7 mm SUS304 with nylon – coated
Max. Travel Speed	500 mm / sec.
Vibration	10 Hz to 2000 Hz, 10 g
Cable	PUR4 X 0.25 mm ² / 128X \emptyset 0.05 mm, cable length 2 m
Weight	< 1,300 g
Starting Torque on Spring	(stroke 0 ~ 1250 mm) 600 g max.; (stroke over 1500 mm) 1000 g max

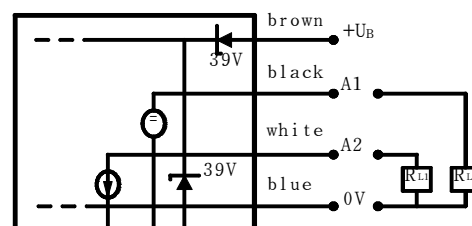
ENVIRONMENTAL SPEC.

Operating Temp. / Humidity	-25°C ~ 70°C
Storage Temp.	-20°C ~ 80°C
Protection	IP67

ORDERING INFORMATION

MLS-M -	Measuring Range		
10	1000 mm	15	1500 mm
125	1250 mm	20	2000 mm

ELECTRICAL CONNECTION



U_B	15...30 VDC
U_{A1}	0...+10 VDC
I_{A2}	4...20 mADC