

MS-15 series - Linear Potentiometers

Manufactured in UK

StrainSense

MultiSense
Solutions Ltd

- **Rugged Construction**
- **Excellent Linearity**
- **Sealed To IP67**
- **Long Life**
- **Custom stroke***

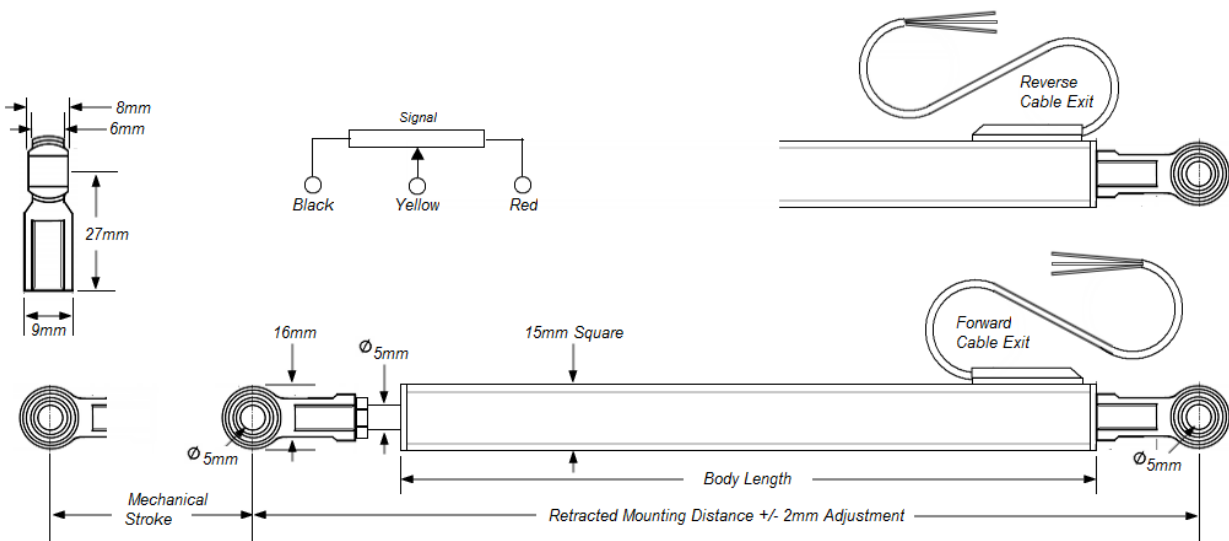


The MS-15 series of Linear Potentiometers are designed to withstand the harsh environment of Industrial and Motorsport applications. Using proven 'conductive plastic' technology, the sensors offer high performance and reliability.

MS-15M-

Standard Type

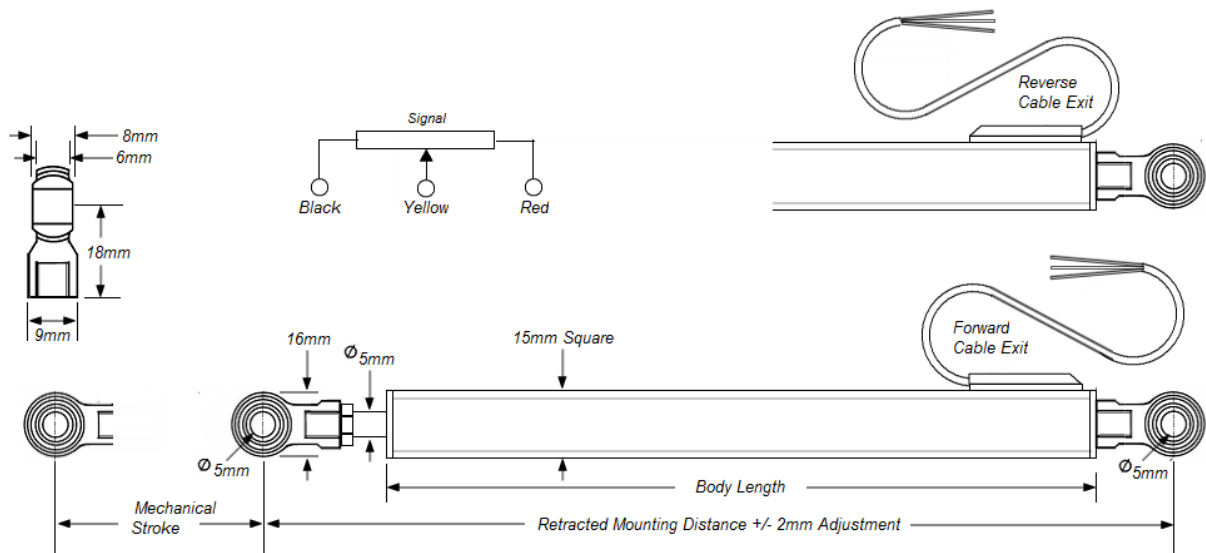
Active Electrical Stroke (mm)	25	50	75	100	150	200	250	300
Retracted Mounting Distance (mm)*	173	198	223	248	298	348	398	448
Mechanical Stroke (mm)*	27	52	77	102	152	202	252	302
Body Length	103	128	153	178	228	278	328	378
Weight Without Cable (g)	97	101	104	109	116	123	130	137
Resistance (KOhms +/-20%)	1.7	3.4	5	6.7	10	13.4	16.7	20



MS-15C-

Compact Type

Active Electrical Stroke (mm)	25	50	75	100	150
Retracted Mounting Distance (mm)*	142	167	192	217	267
Mechanical Stroke (mm)*	27	52	77	102	152
Body Length	93	118	143	168	218
Weight Without Cable (g)	87	118	143	168	218
Resistance (KOHms +/-20%)	1.7	3.4	5	6.7	10



Specifications:

Maximum Supply Voltage	40 VDC
Resolution	Essentially Infinite
Repeatability	≤0.01mm
Operational Speed	10 M/s max
Mechanical Life	> 25 Million Cycles
Recommended Wiper Current	< 10µA
Independent Linearity*	≤ +/- 0.5% (Option to +/- 0.1%)
Cable Type*	Raychem 55A, 26 AWG, TPV Jacket
Cable Length*	500mm
Track Technology	Conductive Plastic
Housing Material	Aluminium
Shaft Material	Stainless Steel
Operating Temperature	-40 to +150°C
Sealing	IP66 (Dual O Ring) or IP67 (PTFE U Spring + O Ring)

Ordering Information:

MS-15M / MS-15C – Range (mm) – Seal (IP66/67) – Cable Exit Direction (R/F)

e.g : **MS-15C – 150 – 67 – R**

Compact – 150mm range – IP67 Seal – Reverse Cable Exit

* Custom Options Available On Request

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Strainsense Ltd, The Old Barn, Woods Lane, Potterspury, Northants, NN12 7PT. UK
www.strainsense.co.uk sales@strainsense.co.uk Tel: +44(0)1908 543038