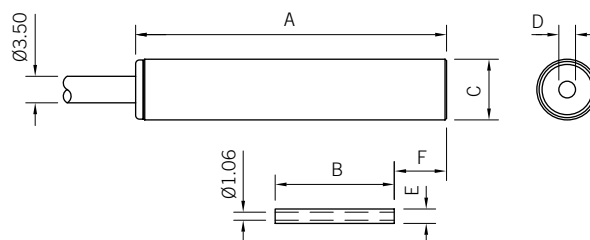
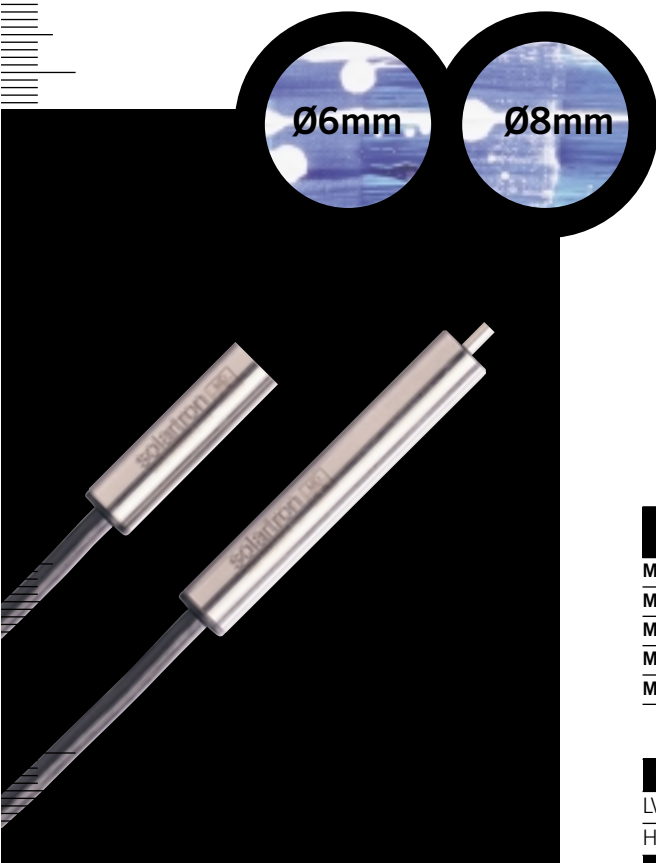




MD micro series

58 AC miniature displacement transducers



Type	'A' Body Length	'B' Core Length LVDT	H/B	'C' Body O/D (fit)	'D' Body I/M	'E' Core O/D	'F' At Null
M6D1 / M6DH1	28.00	11.00	10.30	Ø6h6	Ø1.95	Ø1.60	2.00
MD1 / MD1H	28.00	11.00	8.85	Ø8h6	Ø2.20	Ø1.90	3.00
MD2.5 / MD2.5H	41.00	15.70	15.00	Ø8h6	Ø2.20	Ø1.90	6.90
MD5 / MD5H	49.00	21.20	18.40	Ø8h6	Ø2.20	Ø1.90	8.40
MD10 / MD10H	68.00	24.40	29.00	Ø8h6	Ø2.20	Ø1.90	16.40

- > Small diameter
- > Right angle outlet available
- > Low core weight
- > Uses screened cable
- > Spring relief

The small case diameter (6mm and 8mm) allows for easy installation in confined spaces. A right angle output facility is available as a retrofit for the 8mm version.

The low core weight makes this range ideal for use in low inertia systems. Cross talk is prevented by the screened cable, which also allows for multiple use of these transducers in close proximity.

Product type	MD Micro Series				
LVDT	M6D1	MD1	MD2.5	MD5	MD10
Half Bridge	M6DH1	MD1H	MD2.5H	MD5H	MD10H
Measurement					
Measurement Range (mm)	±1	±1	±2.5	±5	±10
Linearity ¹ (% Reading)	0.5				
Temperature Coefficient (%FRO/°C)	<0.01%				
Mechanical					
Material	400 Series stainless steel				
Standard cable length (m) Null	2 (PU)				
Length of carrier (protruding at Null)	Free core				
Transducer weight ±0.5 (g)	2.6	5.0	7.6	8.5	13.0
Mass of moving components nominal (g)	0.1	0.2	0.2	0.3	0.7
Environmental					
Storage Temperature (°C)	-40 to +105				
Operating Temperature (°C)	-10 to +80				
IP rating	None				
Electrical Interface (LVDT)					
Energing Voltage (Vrms)	1 to 10V				
Sensitivity at 10 kHz (±5% mV/V/mm)	269	210	150	105	33
Energising Current at 5 kHz (mA/V)	3	1.8	2.0	1.0	0.6
Zero Phase Frequency (kHz)	13	10	13	10	14
Electrical Interface (Half bridge)					
Energising Voltage (Vrms)	1-10				
Sensitivity at 10 kHz (±5% mV/V/mm)	83	82	51	33	
Energising Current at 10 kHz (mA/V)	1.2	1		1.2	

¹ All analogue LVDT probes calibrated at 3V, 5kHz frequency into a 10kΩ load. 100kΩ for the unplugged versions. All analogue Half Bridge transducers calibrated at 3V, 5kHz frequency into a 2kΩ load. 1kΩ for the unplugged versions. Right angle outlet is not available with model M6D1.