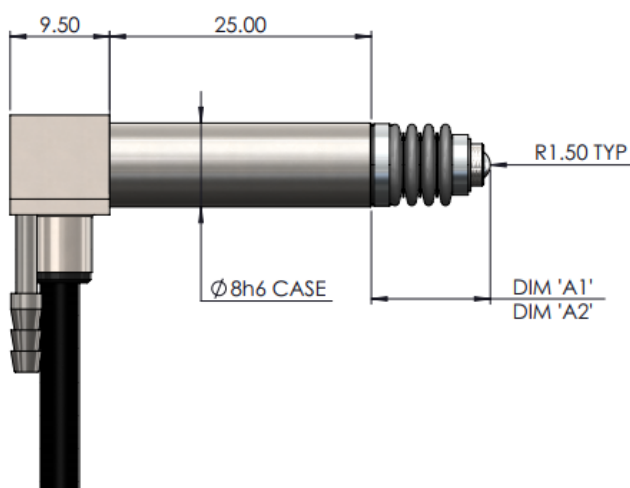
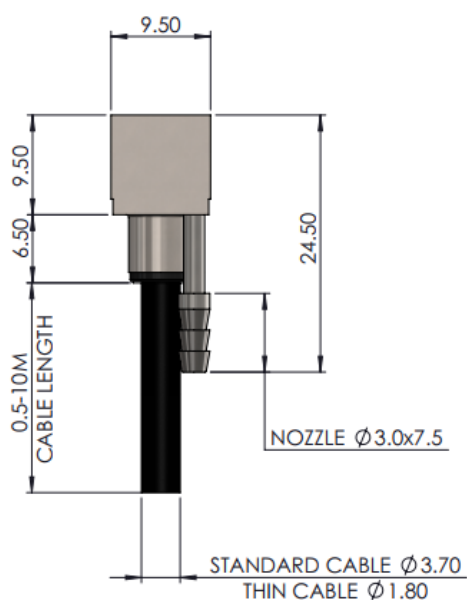
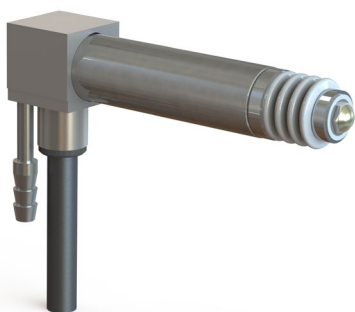


AXR/1/PH PNEUMATIC HALF BRIDGE SHORT PROBE

Solartron Metrology has introduced a short stroke pneumatic half bridge probe for use in areas of restricted space.

KEY FEATURES

- +/- 1mm measurement range
- Just 43.5mm long (*Standard AXR/1/PH probe is 64.25 mm long*)
- 2.5mm total mechanical range
- Same performance specifications as a standard AX probe
- Compatible with any Half Bridge Signal conditioner, including the new Compass line from Solartron.



FULLY EXTENDED 'A1'	11.50
PRE-TRAVEL	0.15
POST-TRAVEL	0.35
FULLY RETRACTED 'A2'	9.00

New Compass conditioner

REAL PRECISION. REAL SOLUTIONS.

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SPECIFICATIONS

Mechanical Stroke (mm)	2.5
Measurement Range ($\pm$ mm)	1.0
Linearity (% of FRO)	0.5
Repeatability μ m (Note 1)	0.15
Pre Travel (mm) (Note 2)	0.10
Post Travel (mm) (Note 3)	0.40
Tip Force (N) at Middle of Range $\pm$ 20%	
Pneumatic 0.4 bar (Minimum Operating Pressure)	0.7
Pneumatic 1.0 bar (Maximum Operating Pressure)	2.6
Probe Life	> 10 million cycles in most applications

Environmental

Sealing for Probe	IP65
Storage Temperature (°C)	-20 to +80
Probe Operating Temperature without Gaiter (°C)	-10 to +80
Temperature Coefficient %FS/°C	0.03

Material

Probe Body	Stainless Steel
Probe Tip M2.5 Thread	Tungsten Carbide Rad 1.5
Cable 2m	PUR
Gaiter	Fluoroelastomer

Electrical Interface Analogue

Operation Frequency (kHz)	13
Calibration Load $k\Omega$	2
Operating Voltage (Vrms)	3
Plugged Sensitivity (mV/V/mm $\pm$ 0.5%)	73.87

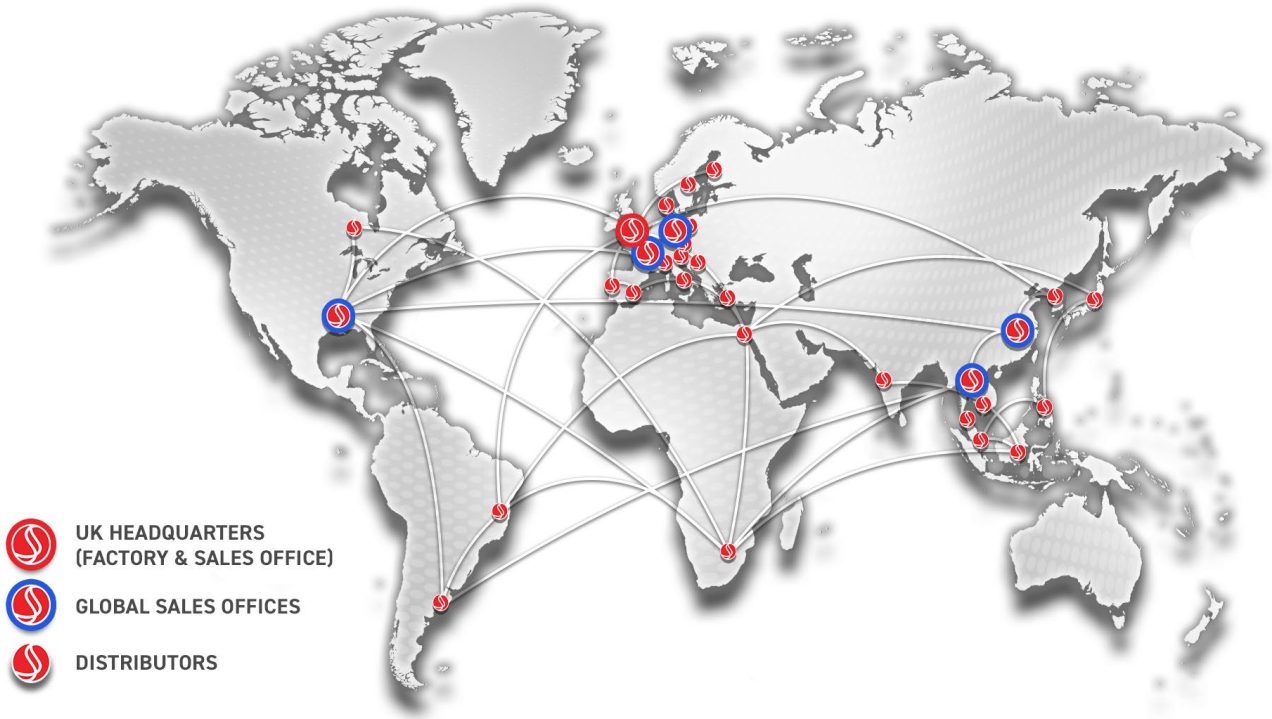
Note 1: Repeated Operation against a carbide target standard deviation from average (68%).

Note 2: Distance from the fully out position to start of measurement range.

Note 3: Distance from the end of measurement range to the fully in position.

NOTE: Solartron pursues a policy of continuous development. Specifications in this document may therefore be changed without notice.

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(FACTORY & SALES OFFICE)**



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