

INDUCTANCE TYPE PROBES

IP65
WATERPROOF



9420-AP02



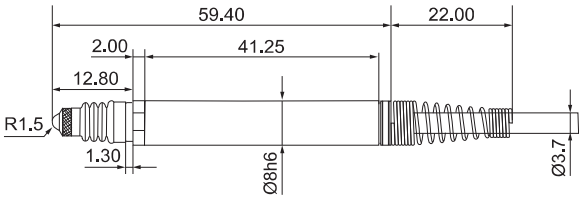
9420-BP02

- Ultra-short length, built-in precision linear ball bearings
- For highly accurate and repeatable displacement measurements of displacement, deformation, dimension, vibration, thickness, expansion, etc. in quality control and metrology applications

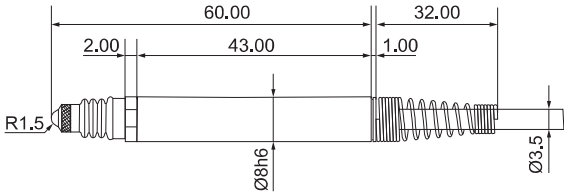
unit: mm

SPECIFICATION

Code	9420-AP02	9420-BP02
Range	±0.9mm	±1mm
Accuracy *	± (0.3+3× L ³)μm, L is measuring length in mm	± (0.2+3× L ³)μm, L is measuring length in mm
Repeatability	0.15μm	
Thermal drift	0.25μm/°C	0.15μm/°C
Mechanical stroke	2.2mm	3mm
Sensor type	LVDT (full bridge)	LVDT (half bridge)
Measuring force **	0.75N	0.63N
Protective cover	fluorinated elastomer	
Contact type	carbide	
Insert thread	M2.5	
Operating environment	work	-10~60°C, ≤80% (non-condensing)
	storage	-20~100°C, ≤80% (non-condensing)
Cable length	2m (customised from 2~5m)	
Output interface	5-wire aviation interface	
Weight	16g	



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* Work with optional 9427-S series or 9428-B series displays, accuracy ≤1μm (need to be set in the factory)

** Measuring rod vertical down at 0±25% potential