INDUCTANCE TYPE PROBES

IP65 WATERPROOF



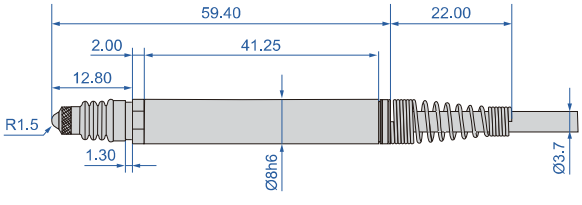
9420-AP02



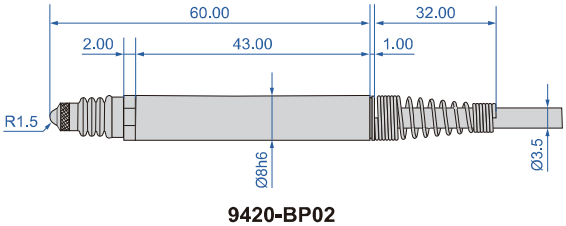
9420-BP02

- 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



9420-AP02



9420-BP02

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	
Net weight		16g	

* 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