

INDUCTANCE TYPE PROBES

IP65
WATERPROOF



9420-AP02

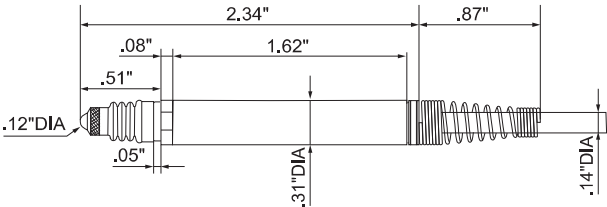


9420-BP02

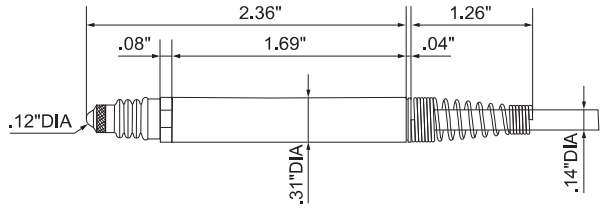
- Ultra-short length, built-in precision linear ball bearings
- For highly accurate and repeatable displacement measurements of displacement, deformation, dimension, vibration, thickness, expansion, etc. in quality control and metrology applications

SPECIFICATION

Part No.	9420-AP02	9420-BP02
Range	±0.9mm	±1mm
Accuracy *	$\pm (0.3+3 \times L ^3) \mu\text{m}$, L is measuring length in mm	$\pm (0.2+3 \times L ^3) \mu\text{m}$, 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 **	.17lbf	.14lbf
Protective cover	fluorinated elastomer	
Contact type	carbide	
Insert thread	M2.5	
Operating environment	work	14~140°F, ≤80% (non-condensing)
	storage	-4~212°F, ≤80% (non-condensing)
Cable length	6.5ft (customised from 6.5~16.4ft)	
Output interface	5-wire aviation interface	
Weight	.04lb	



9420-AP02



9420-BP02

* 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