

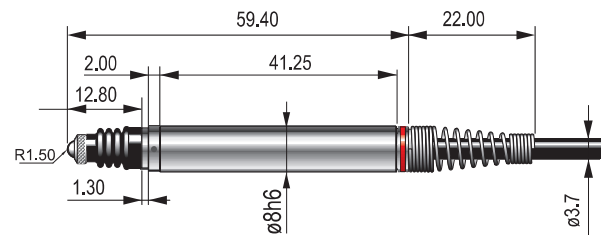
# INDUCTANCE TYPE PROBE CODE 9420-AP02

**IP65**  
WATERPROOF



Unit : mm

- 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

<b>Range</b>	±0.9mm	
<b>Resolution</b>	0.1μm	
<b>Accuracy</b>	±0.3+3× L  <sup>3</sup> μm, (L is measuring length in mm)	
<b>Repeatability</b>	0.15μm	
<b>Thermal drift</b>	0.25μm/°C	
<b>Mechanical stroke</b>	2.2mm	
<b>Sensor type</b>	LVDT	
<b>Measuring force</b>	0.75N (measuring rod vertical down at 0±25% potential)	
<b>Protective cover</b>	fluorinated elastomer	
<b>Contact type</b>	carbide	
<b>Insert thread</b>	M2.5	
<b>Sampling frequency</b>	≥80ms	
<b>Operating environment</b>	<b>work</b>	-10~60°C
	<b>storage</b>	-20~100°C
<b>Cable length</b>	2m(customised from 2~5m)	
<b>Output interface</b>	5-wire aviation interface	
<b>Weight</b>	16g	