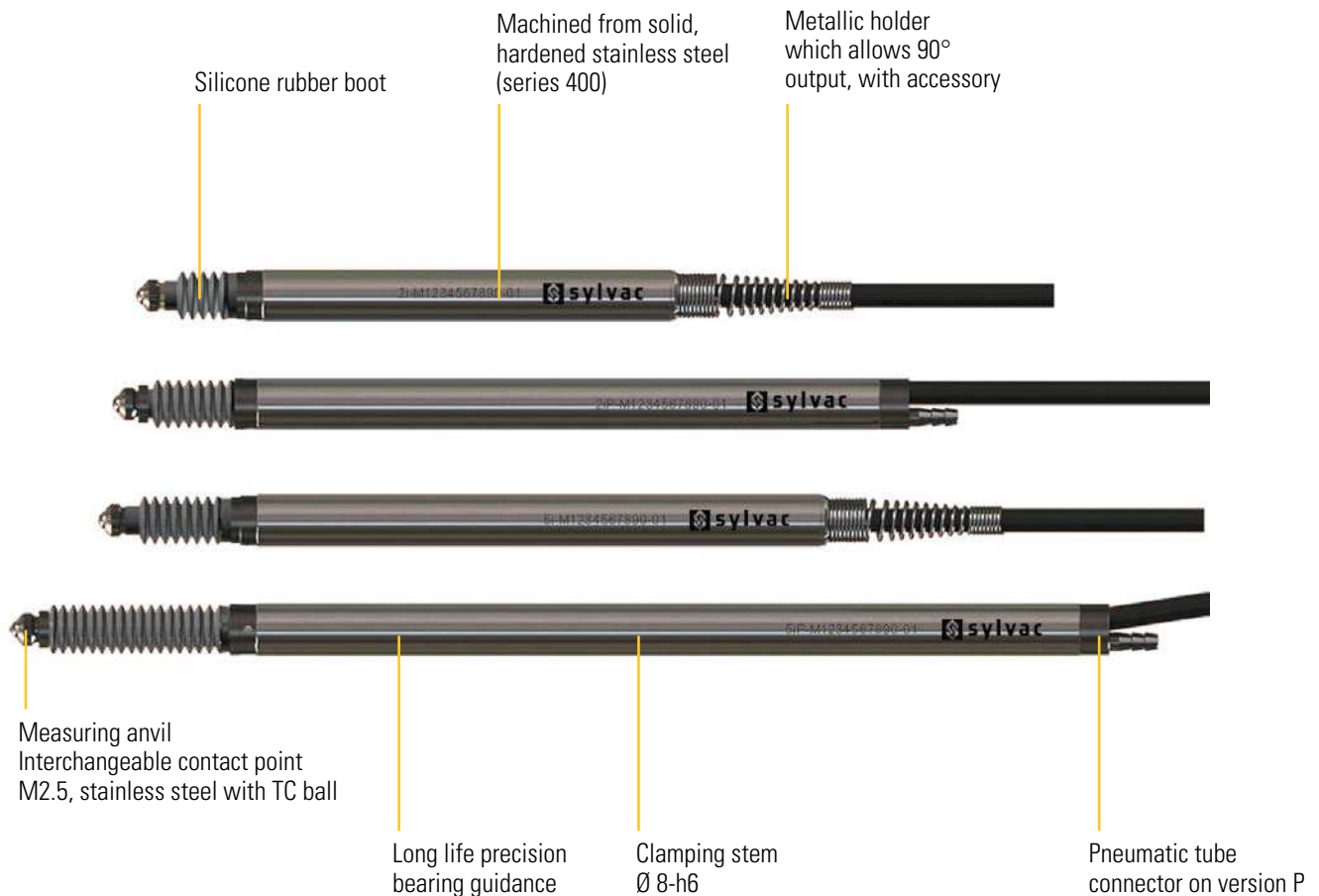




Inductive measuring probes

DESCRIPTION

- Inductive pencil-type measuring probes with stainless steel body $\varnothing 8$ h6 over the entire length
- Particularly suitable for comparison measurements due to their excellent repeatability (0.15 μm)
- Half-Bridge Output Type
- Reading speed up to 3900 values per second, depending on configuration
- Extremely robust ball bearing guide guarantees a minimum of 10 million cycles when the probe is not subjected to a lateral force
- Available in 2 versions :
 - Spring pressure, measuring force 0.7 N
 - Pneumatic thrust, the probe is retracted when it is not supplied with air (1 to 3 bar), pressure influencing the measuring force (0.4-0.7 N)
- Measuring range ± 2 mm and ± 5 mm
- Resolution up to 0.0001 mm (0.1 μm)
- Cable outlet protected by a spring which can be tilted by 90° with the optional accessory 901-5110
- PUR cable length 2 m.
- IP65 protection with Viton® bellows

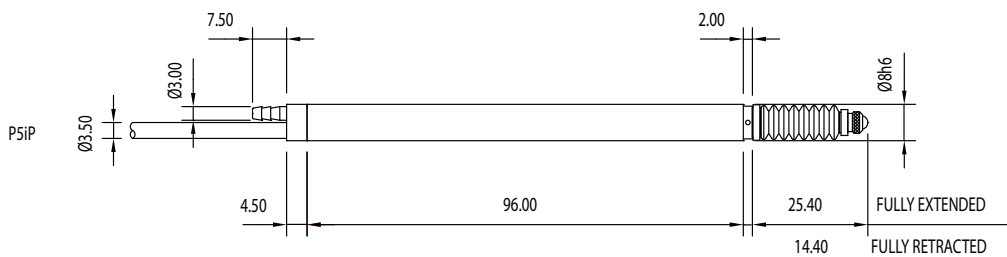
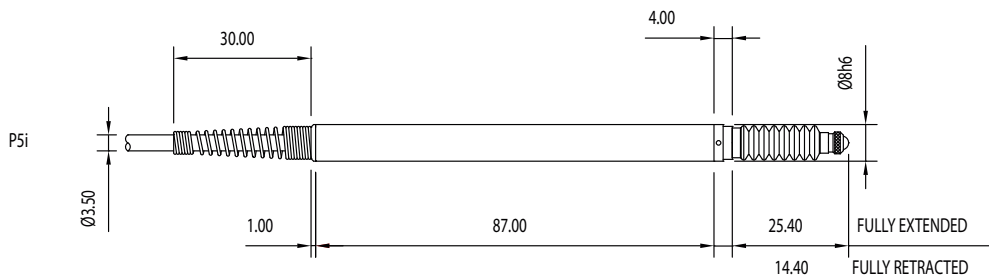
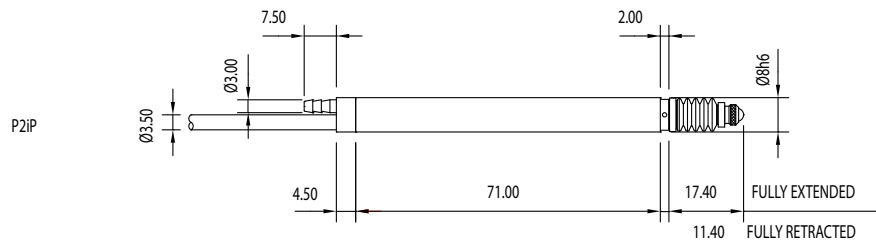
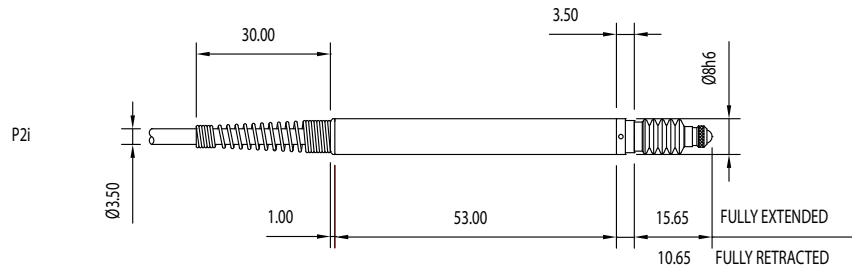


IP65



Inductive measuring probes

DIMENSIONAL DRAWINGS





Inductive measuring probes

TECHNICAL SPECIFICATIONS

		P2i	P2iP	P5i	P5iP
Travel	mm	±2	±2	±5	±5
Pre-travel	mm	0.15	0.8	0.15	0.3
Post-travel	mm	1.35	1.2	0.85	0.7
Resolution		Digital : user selectable to <0.1µm			
Repeatability	µm	0.15	0.15	0.15	0.15
Moving mass	g	3.4	3.4	3.7	3.7
Accuracy of reading %		0.5	0.5	0.5	0.5
Body diameter	mm	8h6			
IP rating		IP65			
Temperature	%FS/°C	0.01			

MEASURING FORCE

		P2i	P2iP	P5i	P5iP
Standard	N	0.7	0.7 / 0.4 bar - 2.6 / 1 bar	0.7	0.7 / 0.4 bar - 2.6 / 1 bar

Tolerance ± 20%, measuring probe in middle course, outgoing spindle.

PNEUMATIC PROBES

Pneumatic probes are fully retracted when they are not supplied with air. For continual reliable operation and to maximise working life, the air supply should be clean and dry. 60% maximum relative humidity, filtered to better than 2µm particle size. Air pressure : 0.4-0.8 bar, don't go over 0.8 Bar because the rubber boot can be damaged.

LIST OF REFERENCES

P2i				P5i			
P2i	900-1101	P2iP	900-1102	P5i	900-1111	P5iP	900-1112

P = pneumatic push



Inductive measuring probes

STANDARD DELIVERY

- Probe according to technical specifications
- Cable 2 m
- Stainless steel contact point with tungsten carbide ball \varnothing 3 mm (905-2204)
- Calibration certificate

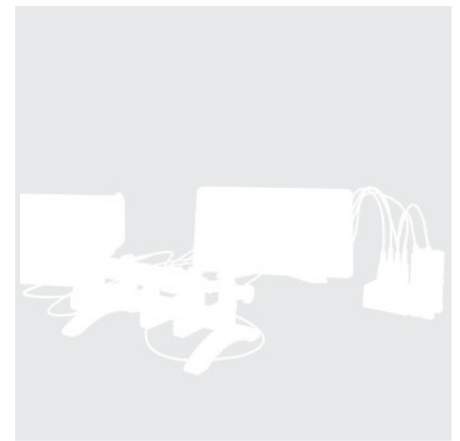
APPLICATIONS



Inductives probes connected to a D70I.



Inductives and Solartron probes connected to a M-Bus modul coupled with D400S.



Inductives probes connected to a M-Bus modul coupled with D300S.