Millimar P2004 M / P2004 T / P2004 U

Inductive probe

IP 64

FEATURES

- Models with or without pneumatic lifter or load
- Measuring pin mounted in rotary stroke bearing
- High linearity over the entire measuring range
- Excellent electromagnetic shielding (EMC)
- All probes can be easily converted from axial to radial by mounting a slip on cap (included)
- Chemical resistance data:
  - Resistant to oil, gasoline, water and aliphatic compounds
  - Moderately resistant to acids, bases, solvents and ozone
- **Package contains:** instruction manual, cap for radial cable output, spanner for preliminary stroke setting



TECHNICAL DATA

Order no.		5323010	5323011	5323013
Type		P2004 M	P2004 T	P2004 U
Measuring range	mm		± 2	
Measuring range	inch		± .079"	
Distance to upper stop	mm...mm		+2.2 . . . 4.4	
Distance to lower stop	mm...mm		–2.2 . . . 0	
Distance to upper stop	inch...inch		+ .09 ... .173"	
Distance to lower stop	inch...inch		–.09 ... 0"	
Lifter / retraction			Standard model	
Measuring force	N		0.75 N +/–0.15 N	
Increase in measuring force	N/mm		0.2 N/mm	
Sensitivity deviation	%		0.3	
Repeatability f_w	µm		0.1	
Measuring value hysteresis f_u	µm		0.5	
Linearity deviation within +/–0.5 mm	µm		0.4	
Linearity deviation within +/–.020"	inch		16 µ"	
Linearity deviation within +/–1.0 mm	µm		1.5	
Linearity deviation within +/–.039"	inch		60 µ"	
Linearity deviation within +/–2.0 mm	µm		3	
Linearity deviation within +/–.079"	inch		120 µ"	
IP protection category			IP 64	
Cable length	m		2.5	
Temperature coefficient	µm/°C		0.15	
Compatibility		Mahr VLDT	Tesa	Marposs

Order no.	a	b	c	d	e	f	f	h	Connection thread
	mm	mm	mm	mm	mm	inch	mm	mm	
5323010	88.7	28	21.3	6	9.2	0.315	8	14	M 2.5
5323011	88.7	28	21.3	6	9.2	0.315	8	14	M 2.5
5323013	88.7	28	21.3	6	9.2	0.315	8	14	M 2.5

