Millimar P2010 MB / P2010 TB / P2010 UB / P2010 FB

Inductive Probe

IP 64

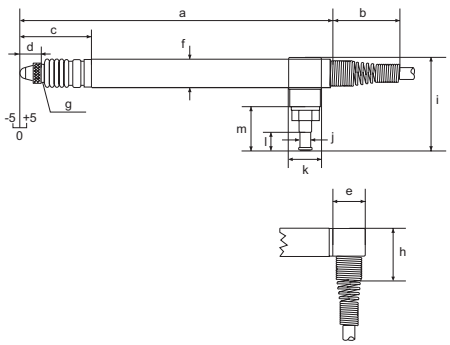
FEATURES

- Models with or without compressed air (pneumatic) lifter or vacuum retraction
- Measuring pin mounted in ball-bearing guide
- 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 aliphatics. 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.		5324030	5324031	5324033	5324034
Product type		P2010 MB	P2010 TB	P2010 UB	P2010 FB
Measuring range	mm	± 5			
Measuring range	inch	± .197"			
Distance to upper stop	mm...mm	+5.3			
Distance to upper stop	inch...inch	+ .20"			
Distance to lower stop	mm...mm	–5.3			
Distance to lower stop	inch...inch	–.20"			
Lifter / retraction		Compressed air retraction (max. 1 bar)			
Measuring force	N	Depending upon air pressure			
Sensitivity deviation	%	0.3			
Repeatability f_w	µm	0.2			
Repeatability f_w	inch	8 µ"			
Hysteresis f_u	µm	1			
Hysteresis f_u	inch	40 µ"			
Linearity deviation within +/–2.0 mm	µm	4			
Linearity deviation within +/–.079"	inch	160 µ"			
Linearity deviation within +/–5.0 mm	µm	20			
Linearity deviation within +/–.197"	inch	200 µ"			
IP protection category		IP 64			
Cable length	m	2.5			
Temperature coefficient	µm/°C	0.15			
Compatibility		Mahr VLDT	Tesa	Marposs	Federal

Order no.	g	Dimension f	j	k	l	m	a	b	c	d	e	f	h	i
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
5324030	M 2.5		3.6	9	8.3	12.5	125.7	28	34	6	9.2	8	14	26.5
5324031	M 2.5		3.6	9	8.3	12.5	125.7	28	34	6	9.2	8	14	26.5
5324033	M 2.5		3.6	9	8.3	12.5	125.7	28	34	6	9.2	8	14	26.5
5324034	4/48 UNF	0.375	3.6	9	8.3	12.5	125.7	28	34	6	9.2		14	26.5



Millimar P2104 MA / P2104 TA / P2104 UA / P2104 FA

Inductive Probe

IP 64

FEATURES

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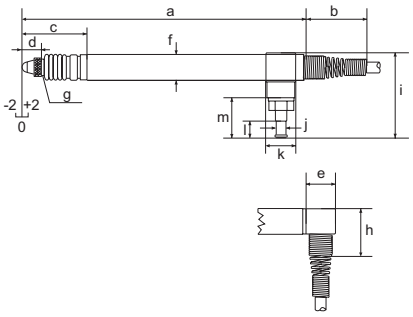
TECHNICAL DATA

Order no.		5324070	5324071	5324073	5324074
Product type		P2104 MA	P2104 TA	P2104 UA	P2104 FA
Measuring range	mm	± 2			
Measuring range	inch	± .079"			
Distance to upper stop	mm...mm	+8.4 . . . 10.4			
Distance to upper stop	inch...inch	.33 ... .41"			
Distance to lower stop	mm...mm	–2.2 . . . 0			
Distance to lower stop	inch...inch	–.09 ... 0"			
Lifter / retraction		Vacuum lifter			
Measuring force	N	0.75 N +/–0.15 N			
Increase in measuring force	N/mm	0.1 N/mm			
Sensitivity deviation	%	0.3			
Repeatability f_w	µm	0.2			
Repeatability f_w	inch	8 µ"			
Hysteresis f_u	µm	1			
Hysteresis f_u	inch	20 µ"			
Linearity deviation within +/–0.5 mm	µm	0.5			
Linearity deviation within +/–.020"	inch	20 µ"			
Linearity deviation within +/–1.0 mm	µm	2			
Linearity deviation within +/–.039"	inch	80 µ"			
Linearity deviation within +/–2.0 mm	µm	4			
Linearity deviation within +/–.079"	inch	160 µ"			
IP protection category		IP 64			
Cable length	m	2.5			
Temperature coefficient	µm/°C	0.15			
Compatibility		Mahr VLDT	Tesa	Marposs	Federal

Order no.	g	Dimension f	j	k	l	m	a	b	c	d	e	f	h	i
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
5324070	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324071	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324073	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324074	4/48 UNF	0.375	3.6	9	8.3	12.5	128.7	28	37	6	9.2		14	26.5



Millimar P2104 MB / P2104 TB / P2104 UB / P2104 FB

Inductive Probe

IP 64

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TECHNICAL DATA

Order no.		5324080	5324081	5324083	5324084
Product type		P2104 MB	P2104 TB	P2104 UB	P2104 FB
Measuring range	mm	± 2			
Measuring range	inch	± .079"			
Distance to upper stop	mm...mm	+8.4 . . . 10.4			
Distance to upper stop	inch...inch	.33 ... .41"			
Distance to lower stop	mm...mm	–2.2 . . . 0			
Distance to lower stop	inch...inch	–.09 ... 0"			
Lifter / retraction		Compressed air retraction (max. 1 bar)			
Measuring force	N	Depending upon air pressure			
Sensitivity deviation	%	0.3			
Repeatability f_w	µm	0.2			
Repeatability f_w	inch	8 µ"			
Hysteresis f_u	µm	1			
Hysteresis f_u	inch	20 µ"			
Linearity deviation within +/–0.5 mm	µm	0.5			
Linearity deviation within +/–.020"	inch	20 µ"			
Linearity deviation within +/–1.0 mm	µm	2			
Linearity deviation within +/–.039"	inch	80 µ"			
Linearity deviation within +/–2.0 mm	µm	4			
Linearity deviation within +/–.079"	inch	160 µ"			
IP protection category		IP 64			
Cable length	m	2.5			
Temperature coefficient	µm/°C	0.15			
Compatibility		Mahr VLDT	Tesa	Marposs	Federal

Order no.	g	Dimension f	j	k	l	m	a	b	c	d	e	f	h	i
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
5324080	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324081	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324083	M 2.5		3.6	9	8.3	12.5	128.7	28	37	6	9.2	8	14	26.5
5324084	4/48 UNF	0.375	3.6	9	8.3	12.5	128.7	28	37	6	9.2		14	26.5