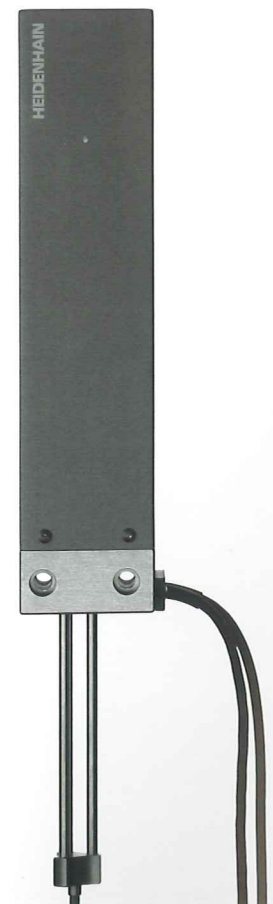


Specifications	MT 60M MT 60K	MT 101M MT 101K
Plunger actuation <i>MT xxM</i> <i>MT xxK</i>	By motor Plunger connected via separate coupling with moving machine part	
Measuring standard	DIADUR grating on silica glass; grating period 10 µm	
System accuracy	± 0.5 µm	± 1 µm
Recommd. meas. step	1 µm to 0.1 µm	
Reference mark	Approx. 1.7 mm from top	Approx. 10 mm from top
Measuring range	60 mm	100 mm
Gauging force Vertically downward Vertically upward Horizontal	With MT 60M 1 N/1.25 N/1.75 N – /– /0.75 N – /0.75 N/1.25 N	With MT 101M 0.7 N with SG 101V – 0.7 N with SG 101H
Required moving force with MT xxK	0.1 to 0.6 N (depending on operating attitude)	0.5 to 2 N (depending on operating attitude)
Radial force¹⁾	≤ 0.5 N	≤ 2 N
Operating attitude <i>MT xxM</i>	Any	Vertically downward with SG 101V Horizontal with SG 101H
<i>MT xxK</i>	Any	Any
Vibration 55 to 2000 Hz Shock 11 ms	≤ 100 m/s ² (EN 60068-2-6) ≤ 1000 m/s ² (EN 60068-2-27)	
Protection EN 60529	IP 50	
Operating temperature	10 to 40 °C; ref. temperature 20 °C	
Fastening	Plane surface	
Weight <i>MT xxM</i> without cable <i>MT xxK</i>	700 g 600 g	1400 g 1200 g
Incremental signals	~ 11 µApp; signal period 10 µm	
Measuring velocity²⁾	≤ 18 m/min	≤ 60 m/min
Electrical connection* Cable length	<ul style="list-style-type: none"> • Cable, 1.5 m, with 15-pin D-sub connector; • Cable 1.5 m with 9-pin M23 connector (male); ≤ 30 m with HEIDENHAIN cable	
Power supply <i>MT xxM</i> <i>MT xxK</i> <i>Switch box</i>	5V ± 5 %/< 120 mA 5V ± 5 %/< 70 mA –	5V ± 5 %/< 70 mA 5V ± 5 %/< 70 mA Via power adapter

MT 60M



MT 101M



Required accessories*	For MT 60M	For MT 101M
Switch box	SG 60M	Vertical position: SG 101V Horizontal position: SG 101H
Power adapter 100 V to 240 V	–	ID 648029-01

* Please indicate when ordering
¹⁾ Mechanically permissible

²⁾ Depending on the subsequent electronics