

Datenblatt für Messuhren Data Sheet Dial Gauges

Version/Version 1.1 /
170620-106



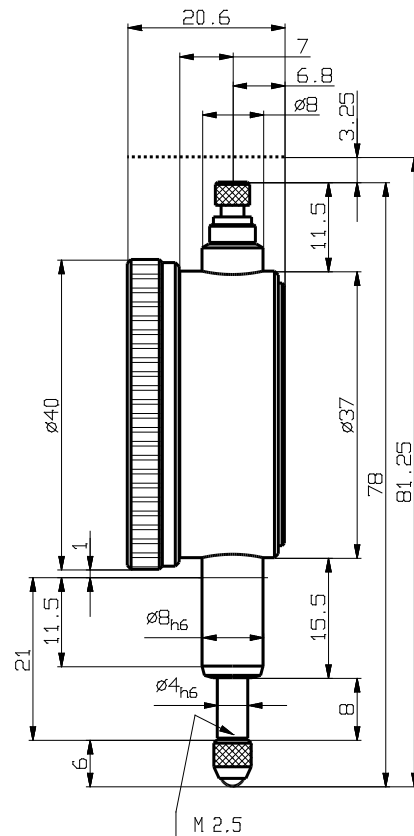
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Konstruktionsmerkmale / Design Characteristics DIN EN ISO 463

Messuhren Typ KM4T / Dial Gauge Type KM4T

Allgemeine Angaben/ General Technical Data		
Skalenteilungswert/ reading	0,01 mm	
Messspanne/ range	3 mm	
Eine Zeigerumdrehung/ per pointer revolution	0,5 mm	
Außenringdurchmesser/ bezel diameter	40 mm	
Einspannschaftdurchmesser/ stem diameter	8h6	
Spezifische Anforderungen/ Unique Features		
Stoßschutz/ shockproof	Nein No	
Schutzart IP/ protection category IP	IP 40	
Skalenbezeichnung/ dial reading	0-50	
Abmessungen/ Dimensions		
Dicke / thickness	Breite / width	Höhe / height
20,6 mm	40 mm	81,25
Besonderheit/ Special Features		

Technical drawing of a dial indicator. The drawing includes a front view (top) and a side view (bottom). The front view shows a cylindrical body with a diameter of 40 mm and a height of 81.25 mm. The side view shows the indicator's profile with a total height of 81.25 mm, a base diameter of 8 mm, and a mounting hole of 2.5 mm. Key dimensions include: 20.6 mm (top flange width), 7 mm (top flange thickness), 6.8 mm (top flange outer diameter), 3.25 mm (top flange inner diameter), 11.5 mm (main body height), 15.5 mm (lower body height), 8 mm (base diameter), and 21 mm (total height from base to top flange). The drawing also indicates a 1 mm gap between the top flange and the main body, and a 6 mm gap between the base and the lower body. The mounting hole is labeled M 2.5.



Messtechnische Merkmale / Metrological Characteristics DIN EN ISO 463

Messwertumkehrspanne (G fu) / hysteresis (MPE fu):	3 µm
Wiederholgrenze (G fw) / repeatability (MPE fw):	3 µm
Messabweichung (G) der Anzeige über einen Bereich von / Error (MPE) within a range of:	
1/10 Umdrehung / 1/10 revolution	5 µm
½ Umdrehung / ½ revolution	8 µm
1 Umdrehung / 1 revolution	9 µm
Messbereich (G fe) / total range (MPE fe)	10 µm

Messkraft (MPL) / Measuring force (MPL):	
Höchstwert / maximum:	1,5 N
Mindestwert / minimum:	0,3 N
Hysterese / hysteresis:	0,8 N

G und MPL gelten für die Lage: Vertikal
MPE and MPL in the following position: Vertical