



Datenblatt für Messuhren Data Sheet Dial Gauges

Version / Version 1.2
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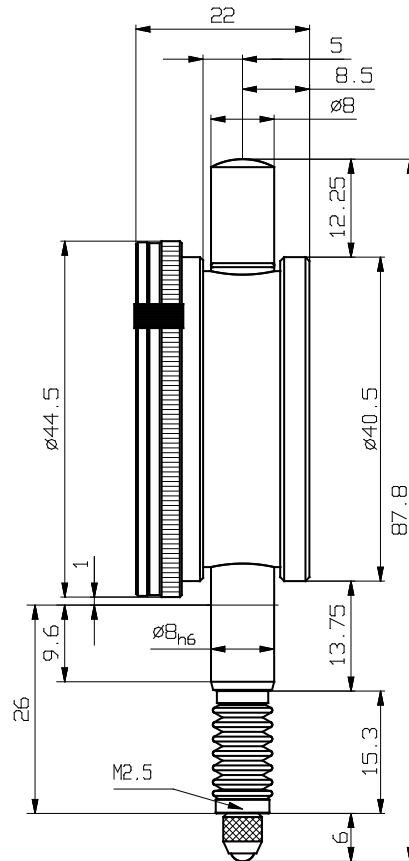
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Konstruktionsmerkmale / Design Characteristics DIN EN ISO 463

Messuhren Typ KM4SW / Dial Gauge Type KM4SW

Allgemeine Angaben/ General Technical Data		
Skalenteilungswert/ reading	0,01 mm	
Messspanne/ range	3 mm	
Eine Zeigerumdrehung/ range per pointer revolution	0,5 mm	
Außenringdurchmesser/ bezel diameter	44,5 mm	
Einspannschaftdurchmesser/ stem diameter	8h6	
Spezifische Anforderungen/ Unique Features		
Stoßschutz/ shockproof	Ja Yes	
Schutzart IP/ protection category IP	IP 67	
Skalenbezeichnung/ dial reading	0-50	
Abmessungen/ Dimensions		
Dicke / thickness	Breite / width	Höhe / height
22 mm	44,5 mm	87,8 mm
Besonderheit/ Special Features		

Technical drawing of a pressure gauge assembly. The drawing shows a side view of the gauge with various dimensions labeled in millimeters (mm). The main body has an outer diameter of $\varnothing 44.5$ mm and a height of 87.8 mm. The gauge face has a diameter of $\varnothing 40.5$ mm. The mounting stem has a diameter of $\varnothing 8_{h6}$ mm and a height of 13.75 mm. The base has a diameter of $\varnothing 8$ mm and a height of 6 mm. The mounting bracket has a height of 12.25 mm. The overall height of the assembly is 26 mm. The mounting bracket has a width of 22 mm. The mounting stem has a length of 9.6 mm. The mounting bracket has a thickness of 1 mm. The mounting stem has a thread of M2.5. The mounting bracket has a hole diameter of $\varnothing 8$ mm. The mounting stem has a hole diameter of $\varnothing 8_{h6}$ mm. The mounting bracket has a hole diameter of $\varnothing 8$ mm. The mounting stem has a hole diameter of $\varnothing 8_{h6}$ mm. 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Messtechnische Merkmale / Metrological Characteristics DIN EN ISO 463 – Werksnorm / DIN EN ISO 463 manufacturing standard

Messwertumkehrspanne (G fu) / hysteresis (MPE fu):	6 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:	1,4 N
Mindestwert / minimum:	0,4 N
Hysterese / hysteresis:	0,7 N

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