

High Precision Dial Gauges

Our High Precision Dial Gauges are high-resolution gauges with 0,001 mm or 0,002 mm graduations and 0,1 mm or 0,2 mm measuring distance per pointer revolution. The high magnification gear train and high-resolution dials allow a very precise reading of the measured value.

The well thought-out design as well as the extremely precise, while robust in operation, execution of our High Precision Dial Gauges with precision gear movement guarantee for their reliability and long service life. The following quality features apply to our entire manufacturing programme:

- Highly responsive movements.
- Precisely matched measuring spindles and stems to minimise lateral play.
- All gear pivots run in high-class ceramic bearings.
- A threaded protection sleeve to prevent ingress of contaminants.
- All shockproof models contain an effective impact protection sleeve.

As standard High Precision Dial Gauges are manufactured with measuring ranges up to 5 mm. However the gear movements can accommodate ranges up to 10 mm. Please contact us if you require longer measuring ranges.

DIN 878 does not include these High Precision Dial Gauges. They are subject to a strict works standard. For the High Precision Dial Gauges with precision gear movements listed in the following table our works standard 0.0500.9.0001, edition 4/2001 applies.

Please see pages 34 – 36 for our series ‚FEINIKA‘ High Precision Dial Gauges.

Technical data for Metric High Precision Dial Gauges with gear movement

Type	Reading	Range per revolution	Range	Overtravel	Bezel-Ø	Special Feature
KM 500 T	0,002 mm	0,2 mm	1 mm	–	40 mm	
KM 500 S	0,002 mm	0,2 mm	1 mm	–	40 mm	Shockproof
KM 500 SW	0,002 mm	0,2 mm	1 mm	–	44,5 mm	Waterproof
FM 500 T	0,002 mm	0,2 mm	1 mm	–	58 mm	
FM 500 SI	0,002 mm	–	0,16 mm	5 mm	58 mm	Error free
KM 1000 T	0,001 mm	0,2 mm	1 mm	–	40 mm	
KM 1000 S	0,001 mm	0,2 mm	1 mm	–	40 mm	Shockproof
FM 1000 T	0,001 mm	0,2 mm	1 mm	–	58 mm	
FM 1000 S	0,001 mm	0,2 mm	1 mm	4 mm	58 mm	Shockproof
FM 1000/5 T	0,001 mm	0,2 mm	5 mm	–	58 mm	
FM 1000/5 S	0,001 mm	0,2 mm	5 mm	–	58 mm	Shockproof
SI-180	0,001 mm	–	0,16 mm	5 mm	58 mm	Error free
FM 1000 S wa	0,001 mm	0,2 mm	1 mm	4 mm	58 mm	Water protected
FM 1000 SW	0,001 mm	0,2 mm	1 mm	4 mm	61,5 mm	Waterproof
FM 1000/80 T	0,001 mm	0,2 mm	1 mm	–	80 mm	
FM 1000/80 S	0,001 mm	0,2 mm	1 mm	4 mm	80 mm	Shockproof
FM 1000/80-5 T	0,001 mm	0,2 mm	5 mm	–	80 mm	
FM 1000/80-5 S	0,001 mm	0,2 mm	5 mm	–	80 mm	Shockproof