

Small Digital Dial Gauge KMD 12 T

Following functions of the Small Digital Dial Gauge KMD 12 T can be used:

- Zero setting
- mm/inch selection
- Absolute / relative mode
- Preset value recall
- Data transmission
- Selection of measuring direction

Small Digital Dial Gauge KMD 12 T

Resolution	0.01 mm/.0005"
Range	12.5 mm/.5"
Digital display LCD, height of digits	6 mm
Power supply	on Lithium battery 3 V
Battery life	5000 h
Output	RS 232, with external power supply / USB
Working temperature	+5 °C – +40 °C
Maximum error	20 µm
Initial measuring force	0.5 N ± 20%
Dimensioned drawing	page 84

The dovetail at the rear offers an additional fixing option. The standard contact point can be exchanged for specially styled contact points as listed on pages 89 and 90.



Summary of important technical data of other Digital Dial Gauges and accessories

Digital Dial Gauges	Resolution	Range	Bezel-Ø	Stem-Ø	Maximum error	Data cable	Special feature
KMD 5 R	0.01 mm	5 mm	44 mm	8 h 6	20 µm	DCKMD 232/DCKMD USB	back plunger
KMD 12 T wa	0.01 mm	12.5 mm	44 mm	8 h 6	20 µm	DCKMD 232/DCKMD USB	water protected
FKMD 5 R	0.001 mm	5 mm	44 mm	8 h 6	5 µm	DCKMD 232/DCKMD USB	back plunger
FKMD 12 T	0.001 mm	12.5 mm	44 mm	8 h 6	5 µm	DCKMD 232/DCKMD USB	
FMD 12 TOP	0.001 mm	12.5 mm	58 mm	8 h 6	5 µm	DCMV Digimatic/DCMV 232/DCMV USB	
MD 100 TB	0.01 mm	100 mm	60 mm	8 h 6	30 µm	DCPRMD 232/DCPRMD USB	
FMD 100 TB	0.001 mm	100 mm	60 mm	8 h 6	8 µm	DCPRMD 232/DCPRMD USB	
DK 30	0.001 mm	0.8 mm	44 mm	–	10 µm	DCKMD 232/DCKMD USB	model lever type

Accessories	Model	Technical features	Suitable for model
Data cable	DCMV 232	2 m long, SUB-D jack 9-pin	MD 12 TOP/FMD 12 TOP
Data cable	DCMV DIGIMATIC	2 m long, flat connector 10-pin	MD 12 TOP/FMD 12 TOP
Data cable	DCMV USB	2 m long, USB connector	MD 12 TOP/FMD 12 TOP
Data cable	DCPRMD 232	Max. 15 m, standard 3 m long, SUB-D jack 9-pin/F	MD 12 TB, MD 25 TB, MD 50 TB, MD 100 TB FMD12TB, FMD25TB, FMD50TB, FMD100TB
Data cable	DCPRMD USB	3 m long, USB connector	MD 12 TB, MD 25 TB, MD 50 TB, MD 100 TB, FMD 12 TB, FMD 25 TB, FMD 50 TB, FMD 100 TB, FMD 12 TA, FMD 25 TA
Data cable	DCKMD 232	Max. 15 m, standard 2m long, SUB-D jack 9-pin/F; power supply	KMD 12 T, KMD 12 Twa, FKMD 12 T, DK 30, KMD 5 R, FKMD 5 R
Data cable	DCKMD USB	2 m long, USB connector	KMD 12 T, KMD 12 Twa, FKMD 12 T, DK 30, KMD 5 R, FKMD 5 R
Battery	BCR 2032	Lithium 3V type CR 2032	For all Digital Gauges

The cable for data transmission is not included in the scope of supply of Digital Dial Gauges but has to be ordered separately.