release date: 1-Nov-17

SC METROMAT SRL

Compartimentul Comercial: 505600 - Sacele - Piata Libertatii nr.2 - tel/fax: 0268 275 212; 0268 276 807
e-mail: sales@metromat.ro - comert@metromat.ro

Aparat digital de masurat grosime

Digital Thickness Gauge JD 50
with lifting device

Digital Thickness Gauge JD 50 TOP
with lifting device

The large digital display has a good visual perception for easy reading of the measuring result. The use of aluminium for the body of the instruments makes them light and easy to handle.

Digital Thickness Gauge JD 50 with lifting device	
Resolution	0.01 mm / .0005"
Range	10 mm / .400"
Depth of jaw	50 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Working temperature	+5 °C – +40 °C
Maximum error	10 µm / .0004" ± 1 Digit
Standard contact point	form c
Optional contact points	forms a, b, d or e

Digital Thickness Gauge JD 50 TOP with lifting device	
Resolution	0.01 mm / .0005"
Range	10 mm / .400"
Depth of jaw	50 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	capacitive
Power supply	on Lithium battery 3 V
Battery life	2 years
Output	Opto RS 232 or Digimatic
Working temperature	+10 °C – +40 °C
Maximum error	20 µm / .0008" + 1 Digit
Standard contact point	form c
Optional contact points	forms a, b, d or e





Digital Thickness Gauge JD 50/25

with lifting device

Digital Thickness Gauge JD 100/25

with lifting device

The use of a frame with large frame height together with a Digital Dial Indicator with 25 mm measuring range and a reinforced lifting device attached to the rear results in a Thickness Gauge which combines the advantages of easy handling and large measuring range suitable for various applications. Together with the Stand 2.1670 this converts a portable instrument quickly without complications to a table instrument.

The following functions can be used for all Digital Dial Gauges in connection with our Thickness Gauges:

- Zero setting
- mm/inch selection
- Memory set Hold
- Data transmission
- Ref I / Ref II
- Preset value recall
- Selection of measuring direction
- Selection of reading (only FD series)
- Data request by any ASCII Code

Digital Thickness Gauge JD 50/25 with lifting device	
Resolution	0.01 mm / .0005"
Range	25 mm / 1"
Depth of jaw	50 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Working temperature	+5 °C – +40 °C
Maximum error	10 µm / .0004" ± 1 Digit
Standard contact point	form c
Optional contact points	forms a, b, d or e

Digital Thickness Gauge JD 100/25 with lifting device	
Resolution	0.01 mm / .0005"
Range	25 mm / 1"
Depth of jaw	100 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Working temperature	+5 °C – +40 °C
Maximum error	10 µm / .0004" ± 1 Digit
Standard contact point	form c
Optional contact points	forms a, b, d or e





Other models of Digital Thickness Gauges of the same family:

- **Digital Thickness Gauge FD 50/25**
  resolution 0.001 mm/ .00005"
  range 25 mm / 1"
  depth of jaw 50 mm
- **Digital Thickness Gauge FD 100/25**
  resolution 0.001 mm / .00005"
  range 25 mm / 1"
  depth of jaw 100 mm

Digital Thickness Gauge FD 50

with lifting device

Digital Thickness Gauge FD 200/25

with lifting device

The large digital display has a good visual perception for easy reading of the measuring result. While the model FD 50 together with stand 2.1670 can be used as table model, the model FD 200/25 with reinforced frame is supplied without stand for use as portable instrument. A stand is available on request.

The use of aluminium for the robust body of the instruments makes them light and easy to handle.

Digital Thickness Gauge FD 50 with lifting device	
Resolution	0.001 mm / .00005"
Range	10 mm / .400"
Depth of jaw	50 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Working temperature	+5 °C – +40 °C
Maximum error	5 µm / .0002"
Standard contact point	form c
Optional contact points	forms a, b, d or e

Digital Thickness Gauge FD 200/25 with lifting device	
Resolution	0.001 mm / .00005"
Range	25 mm / 1"
Depth of jaw	200 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Working temperature	+5 °C – +40 °C
Maximum error	5 µm / .0002"
Standard contact point	form c
Optional contact points	forms a, b, d or e





Spare Dial Gauges are available for all Digital Thickness Gauges. They will be delivered without contact point and without lifting device but with extension for mounting the upper contact points form a or b. For the contact points form c, d and e the extension is not required.

For all Digital Thickness Gauges except for model JD 50 TOP the data connection cable DCMD 232, illustrated on page 128, can be used as suitable accessory.

Digital Foil Thickness Gauges FD 1000/30-3

Digital Foil Thickness Gauge FD 1000/30-3 is mainly used to measure the thickness of foils.

The frame has the required rigidity, the insulation of the handle prevents transfer of heat from the hand of the user to the sensitive mechanical parts of this Digital Foil Thickness Gauge.

The digital readout makes the reading of the measurement very easy. The measured value is clearly indicated on the display of the Thickness Gauge.

The contact force is 2 N. On request the instrument can be supplied with a lower contact force of 0.7 N.

Digital Foil Thickness Gauge FD 1000/30-3	
Resolution	0.001 mm / .00005"
Range	3 mm / .120"
Depth of jaw	30 mm
Digital display LCD, height of digits	8.5 mm
Measuring system	inductive
Power supply	on Lithium battery 3 V
Battery life	3000 h
Output	RS 232, optoelectronic / USB
Maximum error	3 µm
Standard contact point	6.35 mm Ø flat
Optional contact points	10 mm Ø flat, upper contact point convex r 15 or r 40, lower contact point 6.35 mm Ø flat lower contact point convex r 15 spherical



SPARE DIAL GAUGES FOR DIGITAL THICKNESS GAUGES

Spare Dial Gauges are available for all Digital Thickness Gauges. They will be supplied without contact point and without lifting device but with extension for mounting the upper contact points form a and b. For the contact points form c, d and e the extension is not required.

For Digital Thickness Gauges the data cables illustrated below are available at an extra charge.

Spare Gauges for Digital Thickness Gauges

Spare Dial Gauge	Resolution	Range	extension for contact points form a and b (included in the scope of delivery)	Data cable
JD 50	0.01 mm	10 mm	3.2236-0	DCMD 232 / DCMD USB
JD 50 TOP	0.01 mm	10 mm	3.2236-0	DCMV 232 or DCMV DIGIMATIC
JD 100	0.01 mm	10 mm	3.2236-0	DCMD 232 / DCMD USB
JD 50/25	0.01 mm	25 mm	3.2236-1	DCMD 232 / DCMD USB
JD 100/25	0.01 mm	25 mm	3.2236-1	DCMD 232 / DCMD USB
JD 200	0.01 mm	10 mm	3.2236	DCMD 232 / DCMD USB
JD 300	0.01 mm	10 mm	3.2236	DCMD 232 / DCMD USB
JD 200/25	0.01 mm	25 mm	3.2236	DCMD 232 / DCMD USB
JD 50 W	0.01 mm	10 mm	–	DCMD 232 / DCMD USB
FD 50	0.001 mm	10 mm	3.2236-0	DCMD 232 / DCMD USB
FD 50/25	0.001 mm	25 mm	3.2236-1	DCMD 232 / DCMD USB
FD 100/25	0.001 mm	25 mm	3.2236-1	DCMD 232 / DCMD USB
FD 200/25	0.001 mm	25 mm	3.2236	DCMD 232 / DCMD USB

Data cable DCMD 232

In standard version 2 m long, maximum length 15 m.
SUB-D jack 9 – pin / F.



Data cable DCMV 232

In standard version 2 m long.
SUB-D jack 9 – pin.



NOTA: Aceasta fisa a fost realizata sub rezerva modificarilor ulterioare de ordin tehnic sau a erorilor de editare.
Fotografia are caracter informativ.

NOTE: Products and specifications are subject to change without prior notice .Pictures may differ from original.