



1722 / 1723 / 1724 DIGI-MET® Indicators

for static measurements



1722 502



1723 502



1724 502

Specification

- Housing Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP52
- Clamping shank Ø 8 mm
- LCD display with 12 mm high numerals
- Measuring force 0.5 - 1 N
- Accuracy according to factory standard

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- Reversal of counting direction
- mm/inch conversion

- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + USB
- PRESET Function (setting a numerical value)

Shipment

- Cardboard box

Measuring range	mm		inch		Error limit	Ref. No.
	mm	inch	mm	inch		
12.5	0.5	0.01	.0005	.0005	0.020	1722 502
12.5	0.5	0.005	.0001	.0001	0.015	1723 502
12.5	0.5	0.001	.00005	.00005	0.005	1724 502



1729 920

Accessories

Accessories	Ref. No.
Battery, 3V-Lithium, CR 2032	0220 704
Cable for USB incl. software	1998 720
Cable for RS 232	1997 501
Cable for Digimatic	1998 501
Cable release (12.5 mm)	1739 920

Marked = excess length/excess weight Marked = includes a F.O.C. calibration certificate, traceable to national standards

1726 / 1728 DIGI-MET® Indicators



1726 502



1728 502

Model

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start
- Quick-Lock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction
- Factor input

Delivery

- Cardboard box

Measuring span	mm		inch		Error limit		Repeatability	Measuring force	Order no.
	mm	inch	total span mm	partial span** mm	mm	lbf			
Reading 0.001 mm	12.5	0.001*	.00005	.00005	0.004	0.002	0.001	0.65 - 0.0	1728 502
	25	0.001*	.00005	.00005	0.004	0.002	0.001	0.65 - 1.15	1728 506
	50	0.001*	.00005	.0007	0.002	0.001	0.001	1.25 - 2.7	1728 510
	100	0.001*	.00005	0.008	0.002	0.001	0.001	1.6 - 3.5	1728 514
Reading 0.01 mm	12.5	0.01	.0005	.002			0.01	0.65 - 0.0	1728 502
	25	0.01	.0005	0.02			0.01	0.65 - 1.15	1728 506
	50	0.01	.0005	0.02			0.01	1.25 - 2.7	1728 510
	100	0.01	.0005	0.02			0.01	1.6 - 3.5	1728 514

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span = 25 steps by step value 0.0005 mm



1998720 1998501 1997501

Accessories

Accessories	Order no.
Battery, 3V-Lithium, CR 2450	1998 770
Data cable Data Variable to USB	1998 720
Data cable Data Variable to RS232	1997 501
Data cable Data Variable to digimatic	1998 501
Cable release (12.5 mm)	1739 910

1730 / 1732 DIGI-MET® Indicators

for static measurements



1730 502



1730 506

Specification

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP54
- Clamping shank Ø 8 mm

- Display unit can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Shipment

- Cardboard box

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- Reversal of counting direction
- Factor input
- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + USB
- PRESET Function (setting a numerical value)

Measuring range	mm		inch		total span µm	Error limit	partial span** µm	Ref. No.
	mm	inch	mm	inch				
12.5	.5	0.01	.001	.001	20	-	-	1732 502
25.0	1.0	0.01	.001	.001	20	-	-	1732 506
12.5	.5	0.001*	.0001*	.0001*	4	2	2	1730 502
25.0	1.0	0.001*	.0001*	.0001*	4	2	2	1730 506

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span = 25 steps by step value 0.0005 mm



1739 910

Accessories

Accessories	Ref. No.
Battery, 3V-Lithium, CR 2450	1998 770
Cable for USB incl. software	1998 720
Cable for RS 232	1997 501
Cable for Digimatic	1998 501
Cable release (12.5 + 25 mm)	1739 910

Marked = excess length/excess weight Marked = includes a F.O.C. calibration certificate, traceable to national standards

1734 DIGI-MET® indicators with combined analogue / digital display

for static and dynamic measurements



1734 502



1734 506

Specification

- Aluminium housing
- Hardened stainless steel spindle
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm

- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Shipment

- Cardboard box

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- MAX/MIN function

- TIR (MAX-MIN) function
- Reversal of counting direction
- Factor input
- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + USB
- PRESET Function (setting a numerical value)

Measuring range	mm		Reading	total span µm	Error limit	partial span** µm	Ref. No.
	mm	inch					
12.5	.5	0.001*	.0005	0.005	.0002	-	1734 502
25.0	1.0	0.001*	.0005	0.005	.0002	-	1734 506

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
** Partial span = 25 steps by step value 0.0005 mm



1739 910

Accessories

Accessories	Ref. No.
Battery, 3V-Lithium, CR 2450	1998 770
Cable for USB incl. software	1998 720
Cable for RS 232	1997 501
Cable for Digimatic	1998 501
Cable release (12.5 + 25 mm)	1739 910

Quick-Lock Quick-Start Waterproof acc. IP Data output DIN

1734 DIGI-MET® Indicators with combined analogue / digital display

for comparator gauge



Application

The turning point can be determined automatically in measurements with a 2 point internal measuring device through commutating. The actual value is detected and stored by the MIN function and appears on the display.

Specification

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP42
- Clamping shank Ø 8 mm
- Display unit can be rotated through 280°
- LCD display with 8.5 mm high numerals
- Factory standard

Electronic functions

- ON/OFF switch
- QuickStart Electronic
- QuickLock Function
- Zero setting at any position
- mm/inch conversion
- Absolute function (display can be set to zero without losing the Preset value)
- Tolerance function
- MAX/MIN function

- Reversal of counting direction
- Factor input
- Individual buttons can be locked
- Variable data output RS 232 + Digimatic + USB
- PRESET Function (setting a numerical value)

Shipment

- Cardboard box

Measuring range	Reading		Error limit		Ref. No.
	mm	inch	total span µm	partial span**	
12.5	.5	0.001*	4	2	1734 522

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
 ** Partial span = 25 steps by step value 0.0005 mm



Accessories

Accessories	Ref. No.
Battery, 3V-Lithium, CR 2450	1998 770
Cable for USB incl. software	1999 720
Cable for RS 232	1997 501
Cable for Digimatic	1999 501
Cable release (12.5 + 25 mm)	1739 910

Marked * = excess length/excess weight; Marked ** = includes a F.O.C. calibration certificate, traceable to national standards

1726i / 1734i DIGI-MET® Indicators with integrated wireless



integrated iw wireless
Wireless Data Transmission



Model

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M2.5
- Protection class IP42
- Clamping shank Ø 8mm
- Display can be rotated through 280°
- LCD display with 11 mm high numerals
- Factory standard

Functions

- ON / OFF
- Quick-Start
- Quick-Lock (key lock)
- Set to zero at any point
- mm / inch switching
- ABS (display can be set to zero without losing the Preset value)
- TOL (tolerance value input)
- Reversal of counting direction

- Factor input
- Individual key lock
- PRESET-Function (setting a numerical value)
- Variable data output RS 232 + Digimatic + USB
- Integrated Wireless

Delivery

- Cardboard box

More information on our i-series and Integrated Wireless on page 277

Measuring span	Resolution		Error limit		Repeatability	Measuring force N	Order no.
	mm	inch	total span mm	partial span** mm			
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.8	1726 50260
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 1.15	1726 50660
With combined analogue / digital display and MIN / MAX / TIR Function							
12.5	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.85	1734 50260
25	0.0005	.00002	0.004	0.002	0.001	0.65 - 0.8	1734 50660

* Reading switchable: 0.0005 / 0.001 / 0.002 / 0.005 / 0.010 mm
 ** Partial span = 25 steps by step value 0.0005 mm

Accessories

Accessories	Order no.
Battery, 3V-Lithium, CR 2450	1998 770
Data cable Data Variable to USB	1998 720
Data cable Data Variable to RS232	1997 501
Data cable Data Variable to digimatic	1999 501
Cable release (12.5 mm)	1739 910
i-Stick USB-receiver for Integrated Wireless	1998 780

Integrated Wireless is intended to be sold in the European Economic Area only

QuickLock Quick-Start Waterproof acc. IP Data output

0691 DIGI-MET® Indicators

Specification

- Aluminium housing
- Outer ring (Bezel) Ø 60 mm
- Replacement probe tip M 2.5
- Protection class IP51
- Water and coolant resistant
- Clamping shank Ø 8 mm
- Display unit can be rotated through 270°
- LCD display with 11 mm high numerals
- Factory standard

Electronic functions

- ON/OFF switch
- Zero setting at any position
- mm/inch-conversion
- Data output RS 232 Proximity + RS 232 Power (USB-keyboard interface cable, see page 270)
- PRESET function (setting a numerical value)

Additional functions models 0691 751 + 0691 753

- Tolerances (visual indications via LEDs)
- MAX/MIN function
- TIR (MAX-MIN) function
- Factor input

Shipment

- Cardboard box



Measuring range	Reading		Error limit		Ref. No.
	mm	inch	mm	µm	
Reading 0.01 mm					
12.5	.5	0.01	.0005	10	0691 731
25.0	1.0	0.01	.0005	10	0691 733
50.0	2.0	0.01	.0005	20	0691 735
100.0	4.0	0.01	.0005	20	0691 737
Reading 0.001 mm					
12.5	.5	0.001	.00005	4	0691 741
25.0	1.0	0.001	.00005	5	0691 743
50.0	2.0	0.001	.00005	7	0691 745
100.0	4.0	0.001	.00005	8	0691 747
Reading 0.001 mm, with additional functions*					
12.5	.5	0.001	.00005	3	0691 751**
25.0	1.0	0.001	.00005	4	0691 753**

0701 Small dial gauges with lightweight plastic housing



Model

- Lightweight housing made of polyamide
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878

Delivery

- Fitted case

Measuring span	Scale graduation value	Range per rev.	Outer ring (Bezel)	Order no.
mm	mm	mm	Ø mm	
Small dial gauge				
5	0.01	0.5	40	0701 101
Shockproof small dial gauge				
5	0.01	0.5	40	0701 102

0708 Small dial gauges



Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a revolution counter
- DIN 878

Delivery

- Fitted case

Measuring span	Scale graduation value	Range per rev.	Outer ring (Bezel)	Order no.
mm	mm	mm	Ø mm	
Shockproof small dial gauge				
3	0.01	0.5	40	0708 101
5	0.01	0.5	40	0708 102
3	0.01	0.5	32	0708 103
3	0.01	0.5	40	0708 104
Shockproof small dial gauge				
3	0.01	0.5	40	0708 105
5	0.01	0.5	40	0708 106

0701 Dial gauges



Model

- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- DIN 878
- 0701103 = Factory standard

Delivery

- Fitted case

Ⓜ	Ⓜ	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.
		10	0.01	1	58	0701 103
		10	0.01	1	58	0701 106
		10	0.01	1	58	0701 110
		10	0.01	1	58	0701 111

0703 Dial gauges with extended measuring range



Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With a concentric pointer
- Factory standard

Delivery

- Fitted case

Ⓜ	Ⓜ	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.
		30	0.01	1	58	0703 101
		50	0.01	1	58	0703 104
		80	0.01	1	58	0703 107

0705 Precision dial gauges



Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- With revolution counter
- Factory standard

Shipment

- Case

Ⓜ	Ⓜ	Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.
		1	0.001	0.2	40	0705 102
		1	0.001	0.2	58	0705 104
		5	0.001	0.2	58	0705 105
		1	0.001	0.2	40	0705 107
		5	0.001	0.2	58	0705 109

0706 Error free, shockproof dial gauge



Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Free lift 1 mm
- DIN 878

Shipment

- Case

Ⓜ	Ⓜ	Measuring range mm	Reading mm	Free lift mm	Outer ring (Bezel) dia. mm	Ref. No.
		0.8	0.01	1	58	0706 102

Ⓜ Marked * = excess length/excess weight Ⓜ Marked • = includes a FOC calibration certificate, traceable to national standards

0704 Shockproof dial gauges



Model

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Shockproof

Delivery

- Fitted case

Ⓜ	Ⓜ	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.
		10	0.01	1	58	0704 105
		10	0.01	1	58	0704 106
		30	0.01	1	58	0704 109
		50	0.01	1	58	0704 110

0707 Water and oil proof dial gauges



Model

- Metal housing, water and oil proof
- Protection class IP67
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Rubber bellows
- Shockproof
- Outer ring (bezel) can be rotated through 360°
- DIN 878

Delivery

- Fitted case

Ⓜ	Ⓜ	Measuring span mm	Scale graduation value mm	Range per rev. mm	Outer ring (Bezel) Ø mm	Order no.
		3	0.01	0.5	44.5	0707 101
		10	0.01	1	61.5	0707 102

0709 Dial gauges with reverse action plunger



Specification

- Metal housing
- Measuring spindle is made of stainless steel
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Factory standard

Shipment

- Case

Ⓜ	Ⓜ	Measuring range mm	Reading mm	Range per revolution mm	Outer ring (Bezel) dia. mm	Ref. No.
		3	0.01	0.5	40	0709 101
		5	0.01	1	58	0709 108

0712 Dial comparator gauge MICROTAST



Specification

- Measuring spindle is made of hardened stainless steel
- Longer measuring spindle
- Replacement probe tip M 2.5
- Clamping shank Ø 8 mm
- Tolerance markers
- Shockproof
- Fine adjustment
- DIN 879

Shipment

- Case

Ⓜ	Ⓜ	Measuring range mm	Reading mm	Dial reading	Overtravel mm	Ref. No.
		0.5	0.01	25-0-25	2.5	0712 121
		0.1	0.001	50-0-50	3.0	0712 124

0715 Dial test indicators



Specification

- Carbide tipped measuring inserts, Ø 20 mm
- Form A in accordance to DIN 2270
- Revolving dial
- 3-piece swallow tail guide
- Automatic reversal of the counting direction
- Measuring force 0.15 N

Shipment

- Includes clamping shank Ø 8 mm and key for measuring inserts
- Case

DIN 2270

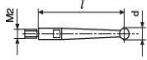
Measuring range mm	Reading mm	Outer ring (Bezel) dia. mm	Contact insert length mm	Dial	Ref. No.
±0.4	0.01	30.0	14.5	0-40-0	0715 101
±0.4	0.01	40.5	14.5	0-40-0	0715 103
±0.1	0.002	30.0	14.5	0-100-0	0715 305
±0.1	0.002	40.5	14.5	0-100-0	0715 303
±0.25	0.01	30.0	41.2	0-25-0	0715 201
±0.5	0.01	40.5	32.3	0-50-0	0715 307

0715 Clamping shanks for dial test indicators



Diameter mm	Ref. No.
406	0715 903
806	0715 907

0715 Measuring inserts with carbide ball



Ball dia. mm	Length mm	Ref. No.
1.0	14.5	0715 915
2.0	14.5	0715 917
3.0	14.5	0715 919
1.0	32.3	0715 921
2.0	32.3	0715 922
3.0	32.3	0715 923
1.0	41.2	0715 925
2.0	41.2	0715 926
3.0	41.2	0715 929

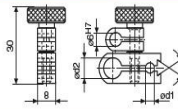
0715 Key for measuring inserts



Ref. No.
0715 940

QuickLock QuickStart Waterproof sec. IP Data output DIN

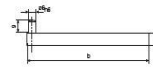
0715 Universal clamp



Diameter mm	Ref. No.
8	0715 950

- Suitable in conjunction with holder 0715 955

0715 Holder



Length mm	Cross section mm	Ref. No.
100	9 x 9	0715 955

0716 Dial depth gauges with a measuring base



Specification

- Measuring base is made of stainless steel, hardened
- Replacement probe tip M 2.5
- Revolving dial
- Factory standard

Shipment

- Cardboard box

Measuring range mm	Reading mm	Contact surface measuring base mm	Range per revolution mm	Dial gauge dia. mm	Ref. No.
0 - 10	0.01	100 x 15	1	58	0716 101
Concentric pointer					
0 - 30	0.01	150 x 15	1	58	0716 102
0 - 30	0.01	100 x 15	1	58	0716 105
Prismatic base					
0 - 30	0.01	for dia. 10 - 100	1	58	0716 111

0716 Depth measuring base for indicators



Specification

- Special steel, chrome plated
- Mounting for indicator Ø 8 mm

Shipment

- Cardboard box

Contact surface mm	Ref. No.
80 x 15	0716 192
100 x 15	0716 194
150 x 15	0716 196

Marked * = excess length/excess weight Marked * = includes a F.O.C. calibration certificate, traceable to national standards