

Digital dial gauges.



Travel 12.50 mm / 0.5"

MSA	Model	Measuring range	Resolution	Degree of protection	Kg
15.638	DIALTRONOC EASY	12.50 mm 0.5"	0.01 mm 0.0005"	IP51	-
15.639	DIALTRONOC EASY	12.50 mm 0.5"	0.001 mm 0.00005"	IP51	-

DIALTRONOC EASY digital dial gauge, Ø 60 mm.

- Measuring force (N) : 0.65 - 0.90
- Indication error over measuring range (retractable plunger) MPEE (µm) : MSA15.638 (10 ± 1 digit) / MSA15.639 (4)
- Indication error over partial measuring range (over 1 mm) MPEP (µm) : MSA15.638 (8) / MSA15.639 (3)
- Repeatability of the indication error MPER (µm) : 2.

Standard features :

- Zeroing/Preset
- Data transmission
- Selection mm/inch
- Selection of measuring direction
- Automatic or manual switch-off
- Locking of the measured value.



Travel 12.50 mm / 0.5"

MSA	Model	Measuring range	Resolution	Degree of protection	Kg
15.640	DIALTRONOC	12.50 mm 0.5"	0.01 mm 0.0005"	IP54	-
15.641	DIALTRONOC	12.50 mm 0.5"	0.001 mm 0.00005"	IP54	-
15.642	DIALTRONOC	12.50 mm 0.5"	0.001 mm 0.00005"	IP67	-

DIALTRONOC digital dial gauge, Ø 60 mm.

- Measuring force (N) : MSA15.640 + MSA15.641 (0.65 - 0.90) / MSA15.642 (0.70 - 1.40)
- Indication error over measuring range (retractable plunger) MPEE (µm) : MSA15.640 (10 ± 1 digit) / MSA15.641 + MSA15.642 (3)
- Indication error over partial measuring range (over 1 mm) MPEP (µm) : MSA15.640 (8) / MSA15.641 + MSA15.642 (2.6)
- Repeatability of the indication error MPER (µm) : 2.

Standard features :

- Zeroing/Preset
- Data transmission
- Selection mm/inch
- Selection of measuring direction
- Automatic or manual switch-off
- Locking of the measured value.

Advanced features :

- Definition of upper and lower tolerances
- Dynamic Min / Max / Max-Min measurement
- Selection of Ref 1 or Ref 2 (Preset and stored tolerance)
- Multiplication factor
- Locking of the keyboard
- Choice of resolution : 0.01 or 0.001 mm / 0.0005" or 0.00005".



Travel 25 mm / 1"

MSA	Model	Measuring range	Resolution	Degree of protection	Kg
15.643	DIALTRONOC	25.00 mm 1"	0.01 mm 0.0005"	IP54	-
15.644	DIALTRONOC	25.00 mm 1"	0.001 mm 0.00005"	IP54	-
15.645	DIALTRONOC	25.00 mm 1"	0.001 mm 0.00005"	IP67	-

DIALTRONOC digital dial gauge, Ø 60 mm.

- Measuring force (N) : MSA15.643 + MSA15.644 (0.65 - 0.90) / MSA15.645 (0.70 - 1.40)

- Indication error over measuring range (retractable plunger) MPEE (µm) : MSA15.643 (10 ± 1 digit) / MSA15.642 + MSA15.643 (4)

- Indication error over partial measuring range (over 1 mm) MPEP (µm) : 2.6

- Repeatability of the indication error MPER (µm) : 2.

Standard features :

- Zeroing/Preset
- Data transmission
- Selection mm/inch
- Selection of measuring direction
- Automatic or manual switch-off
- Locking of the measured value.

Advanced features :

- Definition of upper and lower tolerances
- Dynamic Min / Max / Max-Min measurement
- Selection of Ref 1 or Ref 2 (Preset and stored tolerance)
- Multiplication factor
- Locking of the keyboard
- Choice of resolution : 0.01 or 0.001 mm / 0.0005" or 0.00005".



Travel 50 mm / 2"
Travel 100 mm / 4"
Travel 150 mm / 6"

MSA	Model	Measuring range	Resolution	Degree of protection	Kg
15.646	DIALTRONOC	50.00 mm 2"	0.001 mm 0.00005"	IP54	-
15.647	DIALTRONOC	100.00 mm 4"	0.001 mm 0.00005"	IP54	-
15.648	DIALTRONOC	150.00 mm 6"	0.001 mm 0.00005"	IP54	-

DIALTRONOC digital dial gauge, Ø 60 mm.

- Measuring force (N) : 0.65 - 0.90

- Indication error over measuring range (retractable plunger) MPEE (µm) : MSA15.646 (5) / MSA15.647 (6) / MSA15.648 (10)

- Indication error over partial measuring range (over 1 mm) MPEP (µm) : 3.2

- Repeatability of the indication error MPER (µm) : 2

- Brake valve included to limit the speed of the plunger's descent stroke.

Standard features :

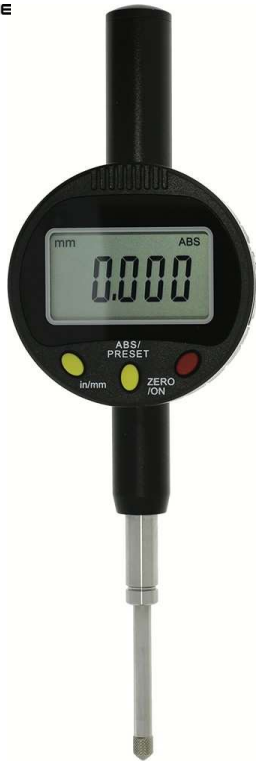
- Zeroing/Preset
- Data transmission
- Selection mm/inch
- Selection of measuring direction
- Automatic or manual switch-off
- Locking of the measured value.

Advanced features :

- Definition of upper and lower tolerances
- Dynamic Min / Max / Max-Min measurement
- Selection of Ref 1 or Ref 2 (Preset and stored tolerance)
- Multiplication factor
- Locking of the keyboard
- Choice of resolution : 0.01 or 0.001 mm / 0.0005" or 0.00005".

MEASURING INSTRUMENTS WITH VARIABLE DIMENSIONS

SWISSMETROLOGIE



Travel 10, 25 or 50 mm / 0.4, 1 or 2"

MSA	Measuring range	Resolution	Kg
15.454-25	25.00 mm / 1"	0.001 mm 0.00005"	0.390
15.454-50	50.00 mm / 2"	0.001 mm 0.00005"	0.490

SWISSMETROLOGIE® electronic indicator.

- Maximum permissible errors/Limit deviations :
 - MSA15.454-10 = 0.004 mm
 - MSA15.454-25 = 0.005 mm
 - MSA15.454-50 = 0.006 mm
- Mounting rod Ø 8 mm
- LCD display 10.5 mm
- PRESET and ON/OFF functions
- Measuring modes ABS/DIFF
- Lithium battery 3 V, CR 2032.

Delivered in 1 synthetic case with operating instructions.



Travel 12.50 mm / 0.5"

MSA	Measuring range	Resolution	Kg
15.128	12.50 mm / 0.5"	0.001 mm 0.00005"	0.247

STANDARD GAGE® electronic indicator.

- Maximum permissible error : 0.004 mm
- Repeatability : 0.002 mm
- Mounting rod Ø 8 mm
- LCD display 10.5 mm
- ABS/PRESET, metric/inch, TOL/SETTOL, MAX/MIN and ZERO/ON buttons
- Lithium battery 3 V, CR 2032.

Delivered in 1 synthetic case with operating instructions.





Travel 25 or 50 mm / 1 or 2"

MSA	Measuring range	Resolution	Kg
15.160	25.00 mm 1"	0.0001 mm 0.000004"	-
15.161	25.00 mm 1"	0.0001 mm 0.000004"	-
	-	-	-
15.162	50.00 mm 2"	0.0001 mm 0.000004"	-
15.163	50.00 mm 2"	0.0001 mm 0.000004"	-

- SYLVAC® S-DIAL PRO SMART electronic indicator.
- Maximum errorr : 1 µm
 - Repeatability : 0.2 µm
 - Mounting rod Ø 8 mm
 - Large display with tolerance status indication by colour LED
 - Output data : USB - RS232 - Bluetooth
 - Three buttons, including the central button with selectable favourite function
 - Wide range of functions, including MIN/MAX/DELTA
 - Protection class IP51.

Analogic dial gauges.



MSA	Measuring range	Precision	Kg
15.399	10 mm	0.01 mm	0.170

JFK FEINTASTER dial gauge on horizontal support with "Z" adjustable table.





MSA	Measuring range	Precision	Ø dial	Kg
15.126	10 mm	0.01 mm	57 mm	0.170

- Analogical dial gauge MITUTOYO®.
- Circular scale : 0 - 100
 - 1 dial revolution : 1 mm
 - Fixing Ø 8 mm
 - Carbide insert.