

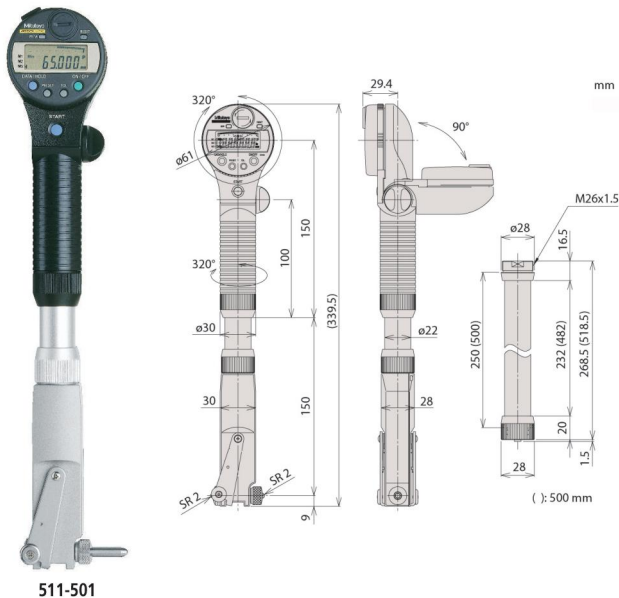
ABSOLUTE Digimatic Bore Gauges

Series 511

This is a Digimatic bore gauge that lets you take digital inside measurements with amazing accuracy even at the maximum 2m depth.

The ABSOLUTE Digimatic Bore Gauge offers you the following benefits:

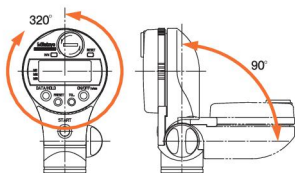
- Precision bore gauge lets you easily measure the diameter of deep bores without loss of accuracy.
- You can store and recall up to 3 sets of master values and upper/lower tolerance values at the push of a button.
- GO/±NG judgement can be set.
- Up to max. four extension rods (250 or 500mm) can be used.



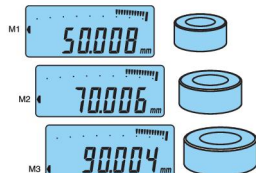
511-501

Metric

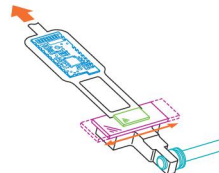
No.	Range [mm]	Stroke of contact point	Digital step	Number of anvils	Mass [g]
511-501	45 - 100	1,2 mm	0,001 mm	12	500
511-502	100 - 160	1,2 mm	0,001 mm	13	570



The display can be rotated 320° and turned 90°. The handle can also be rotated 320°.



Up to 3 sets of reference values can be preset, including top/bottom tolerance limits.



Even during measurement with a 2 m extension the accuracy is secured, as measured-value transmission is electronic.



Functions	Series 511
ON/OFF	●
DATA (output with cable) / HOLD (display value)	●
PRESET 3x	●
MIN Value Hold	●
Digimatic data output	●
GO/±NG judgement	●

Specifications

Accuracy	0,003 mm (excluding quantizing error)
Repeatability	±1 digit
Display	LCD Character Height 7,5 mm
Measuring force	≤5 N
Sampling Frequency	50 times/sec*
Power supply	2 batteries SR-44
Battery life	approx. 2.000 hours

Optional accessories

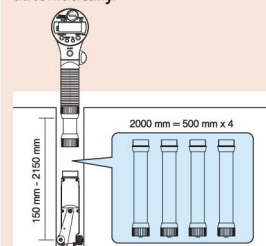
No.	Description
905338	Digimatic Cable, Flat Straight Type, 1m
905409	Digimatic Cable, Flat Straight Type, 2m
06AFM380F	USB Input Tool Direct (Digimatic USB), Digi/Digi2, Flat Straight Type
02AZD880G	U-WAVE-T, Buzzer Type, Wireless Transmitter
02AZD730G	U-WAVE-T, IP67 Type, Wireless Transmitter
02AZD790F	U-WAVE-T Connection Cable F, Flat Straight Type
21DZA089	Extension Rod, Series 511, 250mm
21DZA081	Extension Rod, Series 511, 500mm

Consumable spares

No.	Description
938882	Battery SR44 1.5V



The ABSOLUTE Digimatic Bore Gauge detects the minimum value (true diameter) and holds it automatically.



Four extension rods (500 mm each) connected together provide a 2 m extension.

*if the detecting speed is > 50 μm/s the peak value may not be displayed correctly