

Magnescale

Display Unit

LT80-NE

Read all the instructions in the manual carefully before use and strictly follow them.

Keep the manual for future references.

This manual corresponds to the software version Ver 1.03.00US.

This manual describes only the added and changed functions compared to the software version Ver 1.02.00, so be sure to also read the software version Ver 1.02.00 Operating Manual.

Operating Manual

Functions added by V1.03.00US

LT80-NE software version V1.03.00US adds and changes the following functions compared to V1.02.00.

- The measurement value display unit can be switched to inch.
(This function is supported by MG80-MA Main Modules with serial numbers 200001 and higher.)
- The number of measurement data that can be saved has been expanded from 100,000 data to 300,000 data.
- A function has been added for selecting the measurement data save format.

Method of switching the measurement value display unit from mm to inch

Touch inside the "Disp. Resolution" frame on the View frame settings screen to switch from mm to inch.

The display resolution setting of all frames changes to 0.1 μm (depends on the measuring unit resolution) when mm is selected or 0.000001 inch when inch is selected.

* When set to inch, preset values and judgment threshold values are limited to +393,700708 to -393.700708.

- View frame settings screen (when set to mm)

Touch inside the "Disp. Resolution" frame.

M1 View frame setting	Valid	Axis1	Ope.	Axis2	Mode	Disp. Resolution (mm)	Preset
A	✓	1	+	--	REAL	0.1 μm	NaN
B	✓	2	+	--	REAL	0.1 μm	NaN
C	✓	3	+	--	REAL	0.1 μm	NaN
D	✓	4	+	--	REAL	0.1 μm	NaN
E	✓	5	+	--	REAL	0.1 μm	NaN
F	✓	6	+	--	REAL	0.1 μm	NaN
G	✓	7	+	--	REAL	0.1 μm	NaN
H	✓	8	+	--	REAL	0.1 μm	NaN

- View frame settings screen (when set to inch)

M1 View frame setting	Valid	Axis1	Ope.	Axis2	Mode	Disp. Resolution (inch)	Preset
A	✓	1	+	--	REAL	0.000001inch	NaN
B	✓	2	+	--	REAL	0.000001inch	NaN
C	✓	3	+	--	REAL	0.000001inch	NaN
D	✓	4	+	--	REAL	0.000001inch	NaN
E	✓	5	+	--	REAL	0.000001inch	NaN
F	✓	6	+	--	REAL	0.000001inch	NaN
G	✓	7	+	--	REAL	0.000001inch	NaN
H	✓	8	+	--	REAL	0.000001inch	NaN

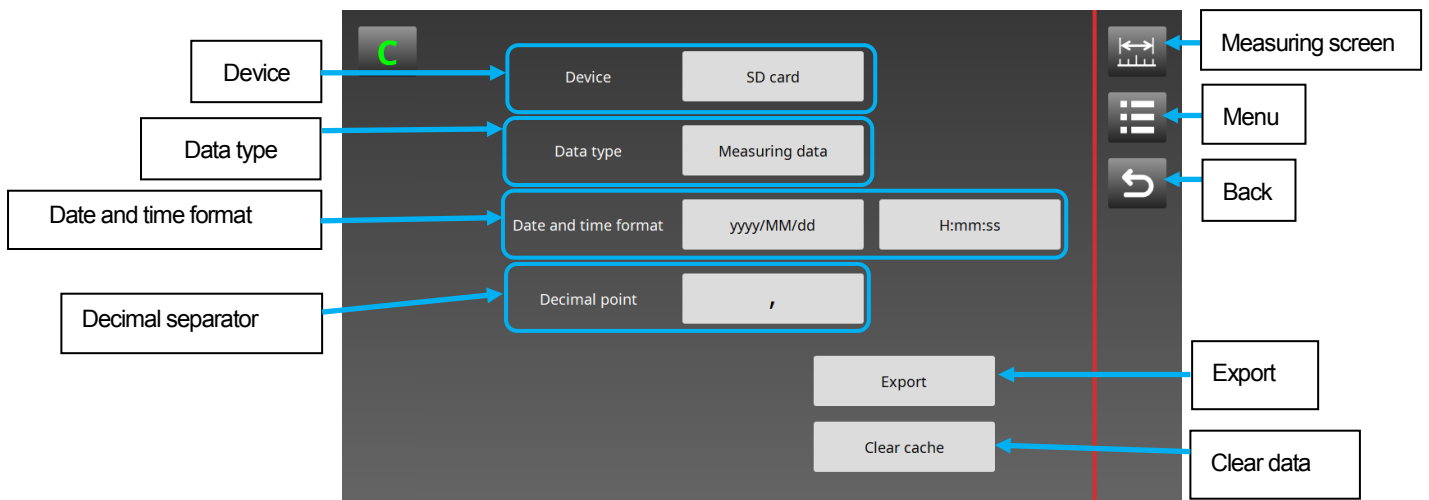
Number of data that can be saved in the display unit

The number of data that can be saved in the display unit has been expanded to 300,000 data. Refer to the saved data counter in the lower right corner of the measuring screen.

Measurement data save format

The following date and time formats and decimal separators can be selected for the format when saving measurement data in an external memory.

• Data menu (when reading measurement data)



• Examples of date and time formats

Date format	Example of display
yyyy/MM/dd	2019/06/13
yyyy.MM.dd	2019.06.13
MM/dd/yyyy	06/13/2019
MM.dd.yyyy	06.13.2019
dd/MM/yyyy	13/06/2019
dd.MM.yyyy	13.06.2019

Time format	Example of display
H:mm:ss	13:57:09
h:mm:ss AP	1:57:09 PM

• Decimal separator selection



* The delimiter in the data format is a comma (,) when dot is selected or a semicolon (;) when comma is selected.

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