

# Wall Thickness 220 EFFECT



## CanNeed-Hallmag-220 Hall Effect Thickness Gauge

CanNeed-Hallmag-220 Hall Effect Thickness Gauge (Magnetic Bottle Thickness Gauge), is a refined portable thickness gauge. It is used to measure the thickness of nonmagnetic material, such as plastic, glass, synthetics, aluminum and titanium, etc. The measurement accuracy is undistorted by the samples' shapes.

Hallmag-220 is based on the theory of Hall Effect. For test, place the steel ball on one side of the sample and the probe on the other side. The Hall Effect sensor on the probe measures the distance from the probe tip to the steel ball. The calculator will display the real thickness readings.

### Attributes:

- Adopted non-destructive test method. With quick measurement for spot thickness on area where accurate measurement of corners, small radii, or complex shapes are required
- Display the real time thickness readings and automatically capture the minimum thickness
- A standard instrument in plastic packaging industry
- Rapid measurement, up to 16 times per second
- Accuracy:  $\pm 1\%$
- It stores 95,000 thickness readings as the internal data record

### Displaying interfaces:

ID:0001 CanNeed Q: 83%	ID:0001 CanNeed Q: 83%	ID:0001 CanNeed Q: 83%
1.323 mm	1.323 mm	1.323 mm
Press [MIN] Into MIN Mode	0.568 mm min	1.568 mm max
General test interface	Automatic capture of minimum value	Automatic capture of maximum value



for PET Bottles



for Glass Bottles



for Aluminum cans



for Preform



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## Technical Data:

Steel Ball Dia.	Thickness Range (Standard Probe)	Calibration Graduation (Accuracy)
1/16"(1.59mm)	.0001-.0900"(0.001-2.590mm)	±3%*
1/8"(3.18mm)	.0001-.0900"(0.001-4.570mm)	±2%*
3/16"(4.76mm)	.0001-.0900"(0.001-6.350mm)	±1%*

The accuracy to be subject to the thickness range. Please refer to the manual for detailed specifications.

Scanning Speed	: up to 16 times (Optional)
Minimum Mode	: rapid search and minimum thickness display
Resolution	: 0.01 mm or 0.001 mm (0.001" or 0.0001")
Display	: LCD display, can display the real time reading, minimum reading, alarm status and data document information at the same time.
Data Recorder	: It stores, reviews, eliminates and transfers 95,000 thickness readings and documents in numeric identifying code.
Data Output	: RS-232 serial port
On-site Report:	: Minimum value, maximum value, SD
Calibration	: Two-point standard calibration, or multi-calibration up to 5 reference points
Deviation Mode	: Display the difference between the actual thickness and the pre-set reference thickness
Alarm Mode	: Programmable, vocal and indication-visible high and low alarm setting points
Power	: 100/120/220/240 VAC, 48-62 Hz
Battery	: Rechargeable Nickel-Cadmium battery. According to the working status of background light, it can last for 8-16 hours. Charging time is 2 hours.
Metric/Imperial Unit	: Inch or mm for option
Language	: English
Working Temperature	: 0 - +50°C
Dimension	: 9.375 x 5.45 x 1.5" (238 x 138 x 38mm)
N.W.	: 3.2 kg

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**Can Need**  
Canned Instrument Ltd.

## Standard Configuration:

Hallmag-220 Hall Effect Thickness Gauge includes:

- Standard probe
- Probe stand
- Probe cable
- User manual
- Nickel-made rechargeable battery
- External power supply and charger
- Steel ball and calibration set, including

Steel ball (with diameters of 1/16", 1/8", 3/16")

Calibration block: 0.010"/0.25 mm, 0.04"/1 mm, 0.160"/4 mm (If pre-test sample is over 0.160"/4 mm, accessories are optional by order.)



Large Letters

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