

# CANNEED HALLMAG

## 220 EFFECT



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
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- Accuracy:  $\pm 1\%$
- It stores 95,000 thickness readings as the internal data record

Applications



for PET Bottles



for Glass Bottles



for Aluminum cans



for Preform

Displaying interfaces:

<div><div>ID:0001CanNeedQ: 83%</div><div>1.323 mm</div><div>Press [MIN] Into MIN Mode</div></div> <div>General test interface</div>	<div><div>ID:0001CanNeedQ: 83%</div><div>1.323 mm</div><div>0.568 mm min</div></div> <div>Automatic capture of minimum value</div>	<div><div>ID:0001CanNeedQ: 83%</div><div>1.323 mm</div><div>1.568 mm max</div></div> <div>Automatic capture of maximum value</div>
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# Technical Data:

SteelBallDia.	ThicknessRange(StandardProbe)	CalibrationGraduation(Accuracy)
1/16"(1.59mm)	.0001-.0900"(.001-2.590mm)	±3%*
1/8"(3.18mm)	.0001-.0900"(.001-4.570mm)	±2%*
3/16"(4.76mm)	.0001-.0900"(.001-6.350mm)	±1%*

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

ScanningSpeed	:upto16times(Optional)
MinimumMode	:rapidsearchandminimumthicknessdisplay
Resolution	:0.01mmor0.001mm(0.001"or0.0001")
Display	:LCDdisplay,candisplaytherealtimereading,minimumreading,alarmstatus and data document information at the same time.
DataRecorder	:Itstores,reviews,eliminatesandtransfers95,000thicknessreadingsand documents in numeric identifying code.
DataOutput	:RS-232serialport
On-siteReport:	:Minimumvalue,maximumvalue,SD
Calibration	:Two-pointstandardcalibration,ormulti-calibrationupto5referencepoints
DeviationMode	:Displaythedifferencebetweentheactualthicknessandthepre-setreference thickness
AlarmMode	:Programmable,vocalandindication-visiblehighandlowalarmsettingpoints
Power	:100/120/220/240VAC,48-62Hz
Battery	:RechargeableNickel-Cadmiumbattery.Accordingtotheworkingstatusof background light, it can last for 8-16 hours. Charging time is 2 hours.
Metric/ImperialUnit	:Inchormmforooption
Language	:English
WorkingTemperature	:0-+50°C
Dimension	:9.375x5.45x1.5"(238x138x38mm)
N.W.	:3.2kg

## Wallthickness Gauge



# 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.)