BENETECH®

Function

	GM220	GM280	GM280F
Three calibration methods: zero, two and basic	√	√	√
Three measurement methods: single, continuous and deviation	√	√	√
Data record, recall and delete function	√	√	√
Data analysis: Average, Maximum, Minimum, standard deviation, and measure times	√	√	√
Buzzer prompt function	√	√	√
Metric / Imperial unit selection	√	√	√
Low battery indicator function	√	√	√
Automatic shutdown function	√	√	√
LCD backlight function	√	√	√
Measure non magneric coating on magnetic conductor base material	√	×	√
Measure non magneric coating on non-magnetic conductor base material	×	√	×

Specification

	GM220	GM280	GM280F
Measurement ranges	0~1800μm	0~1500μm	0~1800μm
Resolution	0.1um/1μm	0.1um/1μm	0.1um/1μm
Operation temperature	0~40℃	0~40℃	0~40℃
Operation humidity	10~95% RH	10-95%RH	10-95%RH
Overall dimensions	67*30*175mm	72*35*145mm	72*35*145mm
Weight	133g	216.5g	246.1g

Applying magnetic thickness measuring method, this unit can quickly and precisely measure the thickness of nonmagnetic coating such as painting or electrodeposition on the iron magnetic substrate, and finds its wide application in the fields of manufacturing 、metal processing，chemical industry and commercial inspection.

Application

Manufacturing

Commodity inspection

Chemical industry

Metal processing industry

Specification

	GM100	GM100+	GM130
Measuring range	1.2 to 225.0mm (steel)	1.20 to 300.00mm(steel)	1.00 to 300.00mm(steel)
Working frequency	5MHz	5MHz	5MHz
Lower limit of pipe measurement	Φ20x3mm(steel)	Φ20x3mm(steel)	Φ15x2.0mm(Φ6mm transducer) Φ20x3.0mm(Φ10mm transducer)
Sound velocity measurement range	1000～9999m/s	1000～9999m/s	1000～9999m/s
Probe (Φ6mm)	×	×	√
Probe (Φ10mm)	√	√	√
Power supply	3*1.5V AAA batteries	3*1.5V AAA batteries	3*1.5V AAA batteries
Weight	202g	202g	223g
Size	72*146*29mm	72*146*29mm	72*29*146mm

Function

	GM100	GM100+	GM130
Auto calibration to assure the accuracy	√	√	√
Linear automatic compensation function	√	√	×
Query and adjust the speed of sound/thickness	√	√	√
Coupling status prompt	√	√	√
Store thickness value/sound velocity value	√	√	√
Sound speed measurement function	√	√	√
Low voltage prompt	√	√	√
Automatic/manual shutdown	√	√	√
Backlight function	√	√	√
The upper and lower limit thickness alarm setting	×	×	√
Conversion of metric and imperial units	×	×	√
Measurement mode selection	×	×	√

Application

Aerospace

Commodity inspection

Petrochemical

Metallurgy

Standard sheet

Iron base

Probe
√ GM280
√ GM280F

Standard sheet

Iron base

（GM220）

Calibration block

Coupling agent

Probe (Φ10mm)
√ GM100
√ GM100+

Calibration block

Coupling agent

Probe (Φ6mm)

Probe (Φ10mm)
（GM130）