

Hall effect gaussmeters

Gauss/Tesla meter Model 8010

Specifications

Ranges		300mG (30 μ T)* 3kG(300mT) 3G (300 μ T)* 30kG (3T) 30G (3mT) 300kG(30T)† 300G (30mT)
*Low field probe † High field probe		
Resolution		1 μ G (0.1nT) to 1G (0.1mT) {Dependent on Probe Type Used}
Accuracy (Displayed reading)	DC basic AC basic	\pm 0.05% of reading \pm 2% of reading
Frequency range	DC mode AC mode	dc to 250Hz 20Hz to 50kHz
Accuracy (Corrected analog output)	DC basic AC basic Frequency range	\pm 0.1% of range \pm 2% of range dc to 500Hz
Frequency range (Uncorrected analog output)	DC mode AC mode	dc to 100Hz 10Hz to 50kHz
Analog output	Output voltage Source impedance Connector	\pm 3V FS. or \pm 10V F.S. or adjustable from 0.1 - 9.9V <100 ohms Standard female BNC
Additional influences	Temperature coefficient	\pm (0.02% of reading \pm 1 count)/ $^{\circ}$ C
Temperature range	Operating Storage	0 $^{\circ}$ C to +50 $^{\circ}$ C -20 $^{\circ}$ C to +60 $^{\circ}$ C
Front panel display		WVGA, 600 x 480 pixels, TFT Color LCD Display with Backlighting. (6.5" diagonal viewing area)
Communication ports	RS-232 Baud rate IEEE-488 Protocol Protocol Ethernet USB	Standard 9-pin female "D" connector 300,1200,2400,4800,9600,19200,38400, 57600,115200 bits/sec Standard 24-pin GPIB connector Protocol IEEE-1987.2 and SCPI-1999 IEEE-802.3u Data Link Layer & TCP/IP Transport & Network Layer Standard RJ-45 connector Version 1.1 full speed
Power		Volts: 100/120 or 220/240 Frequency: 50-60 Hz or 50-60 Hz Current: 1.0 A (max) or 0.5 A (max)
Size	Width Height Depth	11.5" (292mm) 5.2" (132mm) 14.5" (368mm)
Weight	Net Shipping	11.5lbs (5.3kg) 17.7 lbs (8.1kg)

Note: Due to continuous process improvement, specifications subject to change without notice



Key features

- TFT Color LCD Display with Backlighting
- WVGA, 600 x 480 pixels
- Over 40 standard probes available
- Automatic probe coefficient correction
- Displays in Gauss, Tesla, amp/meter or Oe
- Relative mode
- Fully menu-driven for easy operation
- Auto zero and auto calibration
- IEEE-488, RS-232, Ethernet RJ-45 and USB interface
- CE-compliant
- Manufactured to ISO 9000 standards
- Comprehensive technical support.

Authorized Distributor:

Magnetic Sciences
www.magneticsciences.com
367 Arlington Street
Acton MA 01720 USA
1-978-501-0921