

BAUGH & WEEDON



MAGNACHECK

TANGENTIAL FIELD STRENGTH METER



bw-nde.com



A Gaussmeter, also known as a Magnetometer, is a device used to measure the strength and direction of a magnetic field. Gaussmeters are simple to use and handheld versions are available which can be carried to monitor magnetic fields on-site. The device may also be referred to as an electromagnetic field detector, or EMF detector for short. Baugh and Weedon offer a unique 3D probe which can measure the strength of a field in 3 dimensions (x, y and z).

	3D Probe	1D Probe
Measurement range	To 2000 Gauss	To 1000 Gauss
Units	Gauss, mTesla, Ka/m	
Measurement modes	DC, AC peak, true RMS	
MPI bench support	True RMS for thyristor switched fields	True RMS and shot time measurement**
Peak hold mode	Off, 1, 2, 5 and 10 seconds	
Measurement sample rate	70 samples/second	500 samples/second
Measurement resolution	0.16 Gauss	0.1 Gauss
Probe types	3D Auto Recognition	1D Transverse
Sensor calibration	Stored digitally in probe	
Measurement accuracy	1%	
Standards compliance	ASTM E1444/1444M-16 and EN ISO 9934-3	
Zeroing	Manual zero with null pot supplied	
Display type	Colour LCD with selectable backlight	
Display size and resolution	70mm (2.8") 320x240 pixels	
Power	2 x 1.5V AA batteries.	
Typical battery life	In excess of 10 hrs continuous use	
Instrument dimensions	163mm (6.4")(h) x 80mm (3")(w) x 25mm (1")(d) With rubber boot: 168mm (6.6") (h) x 85mm (3.3") (w) x 30mm (1.2")(d)	
Instrument weight	350g (0.77lb) including batteries	

Document number BR1020: Issue 4

