Calibrated Pocket Magnetometer M 25

Instruments available in 8 different, Full Scale, Gauss Ranges as listed below

Gauss Range	**0,5 - 0 - 0,5**
	1 - 0 - 1
	2 - 0 - 2
	5 - 0 - 5
	10 - 0 - 10
	20 - 0 - 20
	50 - 0 - 50
	100 - 0 - 100
High Gauss Ranges	**200 - 0 - 200**
	300 - 0 - 300
	400 - 0 - 400

For this model you can get a padded protective case additionally.

Alleestr. 24 A
D-44793 Bochum
Fon +49 (0) 234-3258-004
Fax +49 (0) 234-3258-261
info@magmess-ballanyi.de
www.magmess-ballanyi.de

Magnetism is everywhere
It is most commonly evident as residual magnetism in iron or steel objects. Determination of the degree of such magnetism is becoming more important for many critical components. Alloy steels, those that are heavily cold worked or heat treated, are especially prone to retain magnetism after having been subjected to strong magnetic fields, such as those created by magnetic chucks, magnetic conveyors, spot welding, magnetized machine tools, or magnetic analysis testing, etc.

Residual Magnetism
in steel parts may be readily determined in a few seconds time by checking with a magnetometer. Place the lower (test) edge of the Magnetometer Case near or against the object being tested. The Pointer Instantly Deflects to a reading on the scale proportional to the magnetism in the object at that point. The higher the reading, the stronger the magnetic field is. This reading can be compared directly with that produced by other similar objects which are known to be acceptable from a residual magnetism standpoint. Are your parts satisfactorily demagnetized?

Magnetic Polarity
of the field being measured is indicated by the direction of pointer deflection on the center zero scale. A plus (+) deflection indicates the test edge of the Magnetometer has been presented to a North (seeking) magnetic pole.

Is Demagnetizing Okay
Steel components such as video and sound take recorder capstans and guides, that become magnetized, add to background noise an loss of recorded high frequencies. A Pocket Magnetometer will indicate when they are demagnetized to safe levels.

Accurate Quantitative Measurements
are possible, even under widely varying temperature conditions. As a matter of convenience, instrument calibration is correct at normal room temperatures, but when the occasion demands, readings may be taken at extremes of temperature with Model 25 instruments by applying the indicated percentage corrections to the readings for ambient (instrument) temperature in accordance with the straight-line graph.

Several different ranges
of Pocket Magnetometers Model 25 are listed in the table. These are normally available from stock.

Care should be exercised
in handling your Packet Magnetometer; it should not be dropped. Although quite stable under reasonable conditions for handling, scale calibration can be changed by accidental exposure to strong AC magnetic fields or by strong unidirectional fields that would tend to deflect the pointer considerably off scale.

Pocket Magnetometers are handy
fast and easy to sue, as well as being relatively inexpensive. The quantitative information secured can be extremely valuable to personnel in the tool room, stock room, inspection, engineering and laboratory, as well as in many production processes.

Alleestr. 24 A
D-44793 Bochum
Fon +49 (0) 234-3258-004
Fax +49 (0) 234-3258-261
info@magmess-ballanyi.de
www.magmess-ballanyi.de