Product name : LZ-642 Teslameter with transversal probe

PERFORMANCE PARAMETERS

Length	175 [mm]
Width	90 [mm]
Height	40 [mm]
accessory	transversal (flat) probe
measured magnetic field	magnets, DC and AC magnetic field
Measure range	0-3000 mT
Power supply	Battery AA x4

The LZ-642 teslometer (otherwise known as a teslameter, gaussmeter or hallotron meter) is a small, handy and practical device for measuring the intensity of the permanent magnetic field produced by permanent magnets as well as by direct current (DC) and the alternating magnetic field produced by alternating current (AC).

A flat probe is included:

- transverse (flat) probe with dimensions (L x W x D) 50 x 4.5 x 1.35 mm
  for magnetic field measurements in a slot or on a magnetic surface

Depending on the intensity of the magnetic field to be measured, the device has two operating ranges. Each meter comes with: a one-year guarantee, a 'CE' declaration of conformity, a calibration certificate and an operating manual. The parameters of the device are shown below:

Operating range for permanent field	0-30 mT,0-300 mT, 0-3000 mT, auto
Operating range for variable field	0-30 mT,0-300 mT
Resolution max.	0,01 mT
Displayed units	mT, Gs, kA/m, Oe,
Measurement	+/-2 % + 0,1% scope

error in the permanent field	
Measurement error in a variable field	+/-5% measurement values+0,2% scope
Measuring mode	in a constant or alternating magnetic field to 10 [kHz]
Measurement frequency	every 0,4 sec.
Polarisation display	N-S / +, -
Working temperature	from 15°C to +35°C
Humidity	35 – 75 %
Temperature coefficient	+/- 0.6 %/measurement (outside the range 15-35°C)
Power supply	battery AA 1,5V x 4
Display	LCD 2,5 inch

Additional information:

- 1.35 mm thick transverse probe (allows measurement in very small gaps)
- 150 cm probe cable length
- very easy and quick calibration of the teslometer
- option to store the maximum measurement value
- up to 50 hours of continuous operation
- automatic switch off function or after a set time.