Technical Specifications for Hall Effect Gaussmeter with Probes

Hall effect Gauss meter technical specifications:

1. Should measure Magnetic flux density and Magnetic Field Strength
2. Microprocessor controlled Hand held Hall effect Gauss Meter with Liquid Crystal Display
3. Meter ranges:

   0 to more than 3 Tesla with resolution 1 milli Tesla, 0 to 299.9 milli Tesla with resolution 100 micro Tesla, 0 to 29.99 milli Tesla with resolution 10 micro Tesla, 0 to 2.999 milli Tesla with resolution 2 micro Tesla.
4. Frequency: DC and AC 25 Hz to 10 kHz (True rms)
5. Accuracy (at 20° C) ±1% and reproducibility ± 0.5%
6. Temperature range Operating 0 °C to 50 °C, Storage -20 °C to 70 °C
7. Display sampling rate 3 to 5 readings per sec
8. Zero flux chamber
9. Automatic and manual range selection
10. Meter to measure DC, DC peak, AC rms, AC rms max, AC peak and Transverse, axial probes with Push button to HOLD and STORE.
11. Better than ±0.1 % of reading / degC including probe.
12. Probe linearity auto correction
13. Storage of 100 measurements
14. RS232 or USB interface with connecting cable
15. Windows communication software for downloading readings, stored data and control the instrument remotely via RS 232 or USB interface.
16. Retention of stored measurements when the instrument is switched off.
17. Power Source : AA size batteries and connection for optional AC adapter
18. Less than 550 g weight (not including probe)

Standard accessories to be supplied (Gauss meter kit): (Quantity each 1 no.)

1. Gauss meter with above specifications
2. Carrying case
3. Zero Gauss chamber
4. Suitable high sensitivity Transverse probe to measure from 0 to 2.999 m T for above meter with lead length 4.5 ± 0.5 m
5. Suitable external adapter for AC supply of 230 V ± 5%, 50 Hz.

Optional accessories to be supplied: (Quantity each 1 no.)

1. Suitable high sensitivity Axial probe to measure from 0 to 2.999 m T for above meter with probe extension cable length 4.5 ± 0.5 m
2. Suitable reference magnet for above Transverse probe
3. Suitable reference magnet for above Axial probe
4. Calibration certificate for above Gauss meter and each probe as a pair

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ए. वेंनकान्ना / A. VENKANNA
अभियन्ता (ई.एम.सी)
ENGINEER (EMC)
बी.एच.ई.एल.,अनु.एवं.वि./BHEL, R&D,
विकास नगर/VIKASNAGAR
हैदराबाद/HYDERABAD-500 093.