

Digital Teslameter 651

3 CHANNEL DIGITAL HALL EFFECT TESLAMETER /GAUSSMETER



The third generation of our trusted Digital Teslameter

QUICK FACTS

- ✓ High accuracy - fully temperature compensated
- ✓ Resolution of 1 part in 600,000
- ✓ 4 ranges
- ✓ 3 Channels
- ✓ Maximum field 3 Tesla
- ✓ 7 digit display per channel
- ✓ Either RS232 or IEEE488/GPIB communications
- ✓ Accuracy is 0.01% of reading + 0.006% of full scale when used with MPT-141 probe
- ✓ Temperature range for instrument and probe 0 to 50° C
- ✓ Either RS232 or IEEE488/GPIB communications;
- ✓ Accuracy is 0.01% of reading + 0.006% of full scale when used with MPT-141 probe;
- ✓ Temperature range for instrument and probe 0 to 50° C.

Product Details

The probe characterisation information is stored directly in the probe assembly allowing any Group3 probe to be used with any Group3 DTM. However for full accuracy the DTM-651 should be used with a probe that has temperature compensation circuitry.

The following modes can be selected for the DTM-651 display; magnetic field, peak hold of magnetic field, AC component of field and probe temperature.

Digital filtering (time averaging) provides for suppression of short term fluctuations.

Multiple teslameters (up to 31 or 11 3Ch versions) with serial communications can be formed into a local communications loop through one serial port on the control computer. The system can be operated in a trigger mode, where the timing of the measurements by several Teslameters can be synchronised

External switches select serial data format, baud rate, device address, string terminators, filtering, gauss or tesla units, data format, service request action, EOI action, and reset system to defaults

Three analog outputs are provided.