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KT10H Data Sheet

The KT10H Magnetic Susceptibility meter is highly sensitive offering an order of magnitude more sensitive than the standard meter. Solely a Magnetic Susceptibility meter the KT10H is provided with a 60mm diameter circular coil, 3318mm2 measurement area. With all the features and connectivity as the standard KT10 system the KT10H can be used for specialist applications where the material magnetic susceptibility is in the order of 1x10-7 SI units.



Although the KT10H includes the sample pin and automatic measurement function for rough surfaces this meter performs best on processed samples with even volume and smooth surface to exploit the sensor sensitivity.

With a simple intuitive user interface and two button operation, this handheld meter incorporates a voice recording function for incorporating metadata to records and Bluetooth connectivity for GNSS position integration.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	200mm x 57mm x 30mm	0.3kg

Technical Specifications

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Sensitivity:	1x10-7 SI Units
Measurement range:	0.001x10-3 to 1999.99 x10-3 SI Units Auto-Ranging
Total Sensor Measurement Area:	3318 mm²
Operating frequency:	10 kHz
Measurement frequency:	20 times per second (in Scan mode, 5 readings averaged together and 4 readings /second stored
Display:	High Contrast LCD Graphic Display with 104 x 88 pixels
Memory:	Up to 3000 measurements or 2000 measurements with one minute of comments per reading
Control:	1 button with up / down function & pin for rough surfaces
Data Input/Output:	USB, Bluetooth with GPS link via Bluetooth
Power Supply:	2 AA Alkaline Batteries or 2 optional AA Rechargeable Batteries
Battery life:	Up to 4000 readings without voice recorder
Operating temperature:	-20 °C to 60 °C
Coil Diameter:	65 mm with a 45 degree angle

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