



Improved PC Interface

The KT-10 now includes **GeoView**, a Windows® based software, for Data Transfers and Data Visualization. It is now possible to download and visualize your KT-10's data with the click of a few buttons. **GeoView** can also play back the voice notes stored alongside your readings, change KT-10's settings and export your data to database / spreadsheet compatible formats.

Magnetic Susceptibility Meter

Other Benefits

Variable Audio Capability

When used in the **Scan Mode**, the KT-10 speaker allows the operator to monitor the variation in the magnetic susceptibility measurements with a variable audio tone, which reflects the relative intensity of the reading. The voice recorder allows the recording and replaying of voice messages through the speaker as well

Large LCD Display

A high contrast LCD is utilized for the display of the magnetic susceptibility readings and it also serves as the interface for operating the instrument. Together with two buttons and graphical menus, operators can interactively navigate the different functions. Icons allow the operator to monitor the battery status, Bluetooth connectivity, GPS support and more.

USB Data Transfer

The KT-10 uses USB communication standards as the default mode of communication. It allows fast data transfer of measured values and digital voice streams for the unit to any Windows PC. The USB can also be used for firmware upgrades and parameter settings.

Bluetooth Connectivity

Bluetooth is already standard with the KT-10. So when an operator uses a Bluetooth enabled GPS, it allows them to store the GPS coordinates in the KT-10 memory along with the readings. Bluetooth can also be used to download readings from the unit along with the voice streams.

Smaller and Easier to use

The KT-10's smaller size and ergonomic design make it easier to use and carry. Its interactive menu also facilitates its operation.

Power Supplies

The KT-10 standard configuration is available with two Alkaline AA size cell batteries, which have an expected 100 hours of operation when the optional voice recorder is not being used.



More Reliable

The KT-10 meets IP65 standards, and is therefore protected against dust and provides additional protection in rainy or high humidity conditions.

Storage/Transportation

The KT-10 is delivered in a small pouch with a foam insert. The pouch can be mounted on a belt and comfortably carried on the waist. A set of spare batteries and **PIN** can be also placed in the pouch for storage.

Programmable Calibration

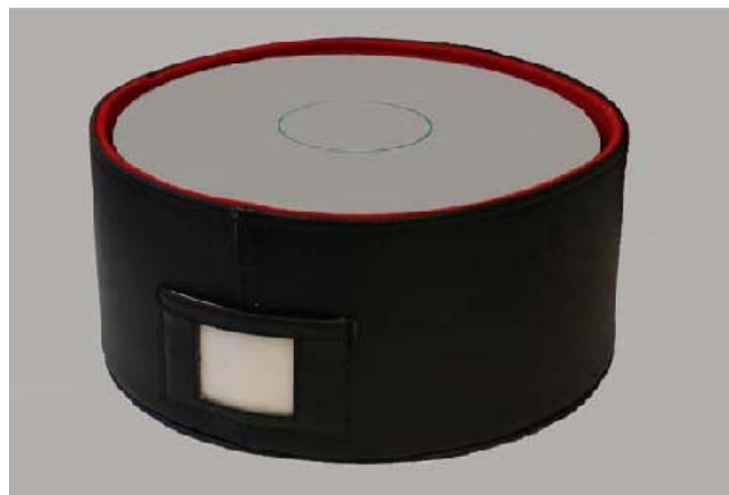
You can now recalibrate your KT-10, either by using the optional Susceptibility Standard shown below or with a known sample which susceptibility is closer to the samples or cores you want to measure.

Optional:

KT-10 Susceptibility Standard

A susceptibility standard is now available as an option for the KT-10. The standard is manufactured from a suitable magnetic powder which is then compacted with plaster. Its purpose is to confirm that the KT-10 is operating properly or to recalibrate the unit.

Nominal susceptibility typically	55.7* 10 ⁻³ SI
Diameter	205 mm
Height	90mm
Density	0.993g/ccm





GeoView PC Interface Software:

Data Organization

The **GeoView** Software allows you to organize your KT-10 data by date and by serial number. It also facilitates the data transfer from your KT-10 into your data base for further correlation and interpretation.

As you can see below, averaged readings are grouped together with records containing date, time, value, voice notes and optional GPS positions, all in one convenient location. Users can also add custom fields to enter field data which is then contained in the exported file.

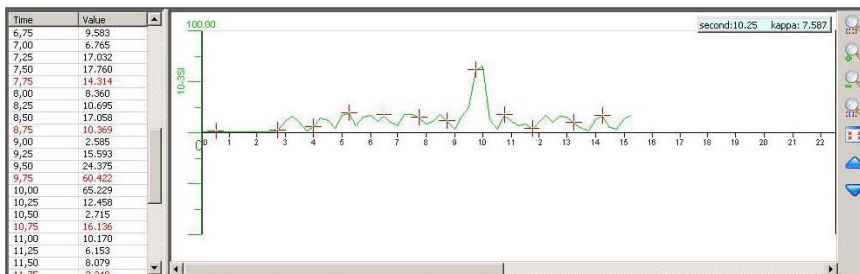
Data Visualization

Numerical display allows for quick review of field data while graphical display aids in the interpretation of scanner data.

As shown below the Scanned data is displayed in graphical mode. Using markers can quickly identify visual indicators or units of measurement along the core sample

The Scanned data is displayed in graphical mode. Using markers can quickly identify visual indicators or units of measurement along the sample

ID	Time	Kappa[10-35]	Average +/- std	Information	Voice note	Latitude	Longitude	Altitude	Description	SampleID
1E14	4:51:44 PM	322.316				43°54'5" 92"N	78°49'25.79"W	90m		
1E15	4:52:02 PM	307.251				43°54'5" 92"N	78°49'25.79"W	90m		
1E16	4:52:19 PM	309.435				43°54'5" 62"N	78°49'25.5"W	90m		
1E17	4:52:31 PM	303.711	310.102 +/- 6.121			43°54'5" 62"N	78°49'25.5"W	90m		
1E18	4:52:52 PM	306.151				43°54'5" 87"N	78°49'25.69"W	109m		
1E19	4:53:06 PM	300.390								
1E20	4:53:23 PM	298.338				43°54'5" 87"N	78°49'25.72"W	109m		
1E21	4:53:54 PM	306.528				43°54'5" 02"N	78°49'25.78"W	113m		
1E22	4:54:07 PM	299.597				43°54'5" 02"N	78°49'25.78"W	113m		
1E23	4:54:59 PM	300.535	301.866 +/- 3.578			43°54'5" 81"N	78°49'25.44"W	97m		
1E24	4:56:20 PM	333.337				43°54'5" 90"N	78°49'25.55"W	101m		
1E25	4:56:36 PM	332.195				43°54'5" 90"N	78°49'25.55"W	101m		
1E26	4:56:47 PM	329.313				43°54'5" 90"N	78°49'25.55"W	101m		
1E27	4:57:01 PM	333.279				43°54'5" 78"N	78°49'25.55"W	92m		
1E28	4:57:22 PM	328.350	331.171 +/- 2.310			43°54'5" 98"N	78°49'25.60"W	109m		
1E29	4:58:38 PM			Scanner		43°54'5" 98"N	78°49'25.60"W	109m		
1E30	4:59:03 PM			Scanner		43°54'5" 78"N	78°49'25.64"W	105m		
1E31	5:00:12 PM			Scanner		43°54'5" 87"N	78°49'25.70"W	105m		
1E32	5:01:22 PM			Scanner		43°54'5" 87"N	78°49'25.70"W	105m		
1E33	5:02:21 PM			Scanner		43°54'5" 87"N	78°49'25.70"W	105m		





Specifications:

Sensitivity: 1x10⁻⁶ SI Units

Measurement range: 0.001x10⁻³ to 999.99x10⁻³ SI Units Auto-Ranging

Operating frequency: 10 kHz

Measurement frequency: 20 times per second in Scan mode

Display: High Contrast LCD Graphic Display with 104 x 88 pixels

Memory: Up to 1000 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: Approximately 100 hours without voice recorder

Operating temperature: -20 °C to 60 °C

Dimensions: 200mm x 57mm X 30mm

Coil Diameter: 65 mm with a 45 degree angle

Weight: 0.30 kg

Standard Configuration

The KT-10 standard System is supplied with:

KT-10 Console with pin, and wrist strap
Two Alkaline AA Batteries
Spare Pin
USB Cable
CD with GeoView Data Transfer Software
Operations Manual and a Quick Start Guide
Small Pouch with foam insert
White Cardboard Box

Specifications subject to change without notice # -02-09