Comparison of GMS-2 and KT-10 Magnetic Susceptibility Meters

(Best Specification underlined)

Manufacturer	Fugro Instruments	Terraplus
Model No	**GMS-2**	**KT-10**
Specifications		
Operating Frequency*	760Hz	10kHz
Units	SI or CGS	SI
Sensitivity (SI)	1×10^{-5}	1×10^{-6}
Coil Type	Ferrite	Air-core
Range (SI)	1×10^{-5} to 9.999	1×10^{-6} to 9.99×10^{-1}
Display Type	LCD, 14 lines	LCD, 6 lines
Measurement Frequency	10 times per sec	20 times per sec
Memory	100 rdgs	Up to 500 rdgs
Data Transfer Method	RS232	USB, Bluetooth with GPS link via Bluetooth
Battery Type	2 x AA, 1.5v	2 x AA, 1.5v
Battery Life	25 hours	100 hours
Oper Temp (^{o}C)	0-50	-20→+60
Weight (kg)	0.35	0.3
Dimensions (mm)	155 x 84 x 34	200 x 57 x 30
Features		
Leather Case	Yes	Yes
Toggle to CGS Units	Yes	No
Continuous Reading	Yes	Yes
Audio Output	Yes	Yes
Auto Ranging	Yes	Yes
Data Averaging	No	Yes
External Sensor Attachment	No	Yes
Voice Recorder	No	Yes
GPS capabilities	No	Yes

*** To avoid erroneous measurements due to the effect of conductivity in the target, the frequency should be as low as possible. In fact, it can be shown that a frequency of more than 1 kHz is unsatisfactory in the presence of conductive material.**