pulseEKK0® 1000





pulseEKK0® 1000

The latest advancements in digital ground penetrating radar technology



Use long cables for easy access to confined areas

User-friendly and cost-effective -- this member of the pulseEKKO[®] family continues on the path of excellence in Sensors & Software's digital ground penetrating radar (GPR) technology.

With optimal performance in high resolution applications, pulseEKKO[®] 1000 is perfect for all your GPR needs. High fidelity, fully digital timing control and digital data acquisition throughout make the pulseEKKO[®] 1000 unmatched for geotechnical and non-destructive testing (NDT) demands in GPR.



Use the backpack and cart for single operator surveys



Use the odometer wheel and cart for road surveys

Features

- bistatic antennas
- CMP acquisition
- computer control
- digital acquisition at antenna
 - ergonomic antenna carts
 - interchangeable antennas
 - lightweight, modular, compact
 - odometer control
 - remote triggering
 - signal stacking

The software configuration is designed so that even a novice can easily access and use the system in the field. The system is compatible with MS-DOS* and Windows* and is open-ended to allow for use with the rapid technology advancements of today.



pulseEKKO® 1000 Technical Specifications

Antennas (Shielded)

110 MHz 225 MHz 450 MHz 900 MHz 1200 MHz

Console

control & data output power requirement size weight

Control & Display

computer digital storage hard copy output

GPR Parameters

maximum system performance programmable sampling interval equivalent time sampling rate to programmable stacking programmable time window

Receiver Electronics

output Isb size weight

92 x 46 x 16 cm	9.0 kg
40 x 23 x 7 cm	1.0 kg
23 x 16 x 6 cm	0.7 kg
23 x 16 x 6 cm	0.7 kg
$10 \times 10 \times 10 \text{ cm}$	0 E k

RS232 serial port (optional parallel) 2.1 amp@12V dc 25 x 16 x 16 cm 2.8 kg

XT to Pentium to P6 and beyond hard drive & any PC medium PC compatible printers

162dB 10 ps-20000 ps in 2 ps steps 100 GHz 1-2048 stacks 1 ns-32767 ns

16 bit digital 1.5 mV 23 x 16 x 5 cm 1.5 kg

Transmitter Electronics

output size weight 200V 23 x 16 x 5 cm 1.7 kg

* trademark of Microsoft

* trademark of Microsoft

pulseEKKO is a registered trademark of Sensors & Software Inc. subsurface imaging solutions

Sensors & Software Inc. 1040 Stacey Court Mississauga, ON L4W 2X8 CANADA

Tel: (905) 624-8909 Fax: (905) 624-9365

Email: sales@sensoft.ca Website: www.sensoft.ca