

HERMES

- Ultrasonic Borehole Tool & fast Fibre Optical Data Transfer System.

Ultrasonic Borehole Tools



HERMES

Technical Specifications:

- Channels: 7
- Frequency Range: 0.1 - 250 kHz

A/D Converter Unit

- A/D Converter: 16 bit, 1 MS/s
- Gains: 250/1000/5000
- Power supply: 12 VDC, 100 mA
- Weight: 500 g
- Casing: Stainless Steel, L300 x W45 x H30 mm³

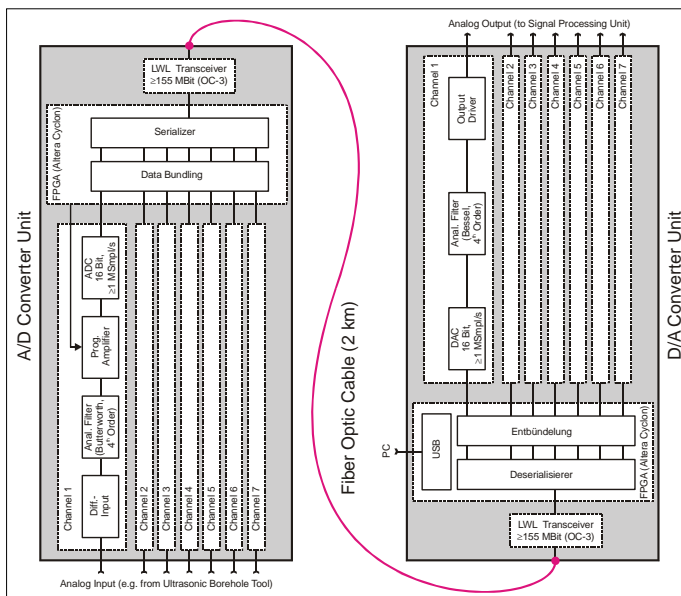
D/A Converter Unit

- D/A Converter: 16 bit, 1 MS/s
- Power supply: 12 VDC, 100 mA
- Weight: 2 kg
- Casing: L250 x W130 x H100 mm³

Fiber Optic Cable

- Type: Multimode 50/125u (OM2)
- Length: max. 2000 m

Geophysics



HERMES consists of a 7-channel ultrasonic borehole sensor tool and a digital real-time transmission system. The digitized data is transmitted to the surface via a single, up to 2 km long fiber optic cable. To adjust the amplifications of the individual measuring channels, the same individual fiber is used in the opposite direction. Adaptations to other applications are possible.

Rev. 270119

RADIC RESEARCH - Dr. Tino Radić
 Web: www.radic-research.de, Email: radic@radic-research.de
 Zehntwerderweg 188A, 13469 Berlin, Germany, Phone: +49-30-40399210

RADIC-RESEARCH