ABEM WalkTEM is a transient electromagnetic system designed for surveys in the geologic near-surface. Typical applications include groundwater and salinity studies, mineral exploration, geotechnical and environmental investigations.

**General**

- **Casing**: Rugged Aluminum case meets IEC IP66
- **GPS receiver**: 50 channels SirFstarIII chip
- **Display**: 8.4” Active TFT LCD, full color, daylight visible, resolution of 800x600
- **I/O ports**: 2 x KPT-19 for receiver coils
- **Power**: 2x12 V, Ah internal NiMH power pack, 10-34 VDC external power
- **Battery chargers**: Integrated for internal batteries
- **Dimensions (W x L x H)**: 390x210x320 mm
- **Weight**: 14 kg
- **Ambient Temperature Range**
  - Operating: -20 °C to +60 °C
  - Storage: -30 °C to +70 °C

  **Note 1**: Measuring speed may be reduced in high ambient temperatures and internal power dissipation.
  **Note 2**: Non condensing

**Integrated Field PC**

- **Processor**: Low power Intel Atom, 1.6 GHz
- **Operating System**: Windows XP Pro
- **Internal RAM**: 2 GB (DDR SO-DIMM module)
- **Hard disk capacity**: Solid state disk of 100 GB or greater
- **I/O port**: 2 x USB 2.0 ports
- **Network interfaces**: 1 x IEEE 802.3, TP-10/100/1000, RJ-45 IP 67
- **WiFi interface**: Integrated with built-in antenna

**Transmitter**

- **Output current**: 15 A
- **On/Off Time**: Adjustable from 1 ms to 500 ms in microsecond steps
**Receiver**

**Receiver input**
2 Channels

**Sampling**
1 MHz each channel

**Dynamic range**
170 dB system 140 dB instantaneously

**Repetition rate**
From 500 Hz to 0.5 Hz in microsecond steps

**Stacking Options**
1 to 65,536 in single steps

**Windows (Gates)**
Up to 200 depending on time series selected in 3 sets (optional, user selectable)

**Functions Measured**
Transient response, current battery voltage (external an internal), automatic gain/offset calibration, layer model (full data inversion)

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**Field Accessories**

**RC-5 Active magnetic receiver coil (frame)**
- **Effective Area**: 5 m² (20 turns)
- **Bandwidth**: 450 kHz
- **Dimensions (W x L x H)**: 590x590x90 mm

**TL-10k Flexible transmitter coil (cord)**
- **Effective Area**: 10,000 m²
- **Dimensions**: 100x100 meters
- **Conductor cross-sectional area**: 4 square mm

**RC-200 Active Flexible magnetic receiver coil (cord)**
- **Effective Area**: 200 m² (2 turns)
- **Bandwidth**: 100 kHz
- **Dimensions**: 10x10 meters

**TL-1k6 Flexible transmitter coil (cord)**
- **Effective Area**: 1,600 m²
- **Dimensions**: 40x40 meters
- **Conductor cross-sectional area**: 2.5 square mm

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**Guideline Geo** is a world-leader in geophysics and geo-technology offering sensors, software, services and support necessary to map and visualize the subsurface. Guideline Geo operates in four international market areas: Infrastructure – examination at start-up and maintenance of infrastructure, Environment – survey of environmental risks and geological hazards, Water – mapping and survey of water supplies and Minerals – efficient exploration. Our offices and regional partners serve clients in 121 countries. The Guideline Geo AB share (GGEO) is listed on NGM Equity.