

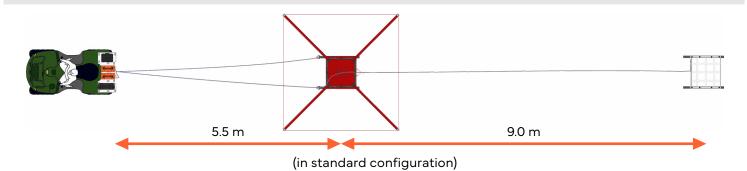
GroundTEM Ralli

TRANSIENT ELECTROMAGNETICS (TEM)

Mobile TEM for groundwater & environmental surveys

Technical Specification

From a single profile, to an entire landscape, the ABEM GroundTEM Ralli is the ultimate solution for rapid surveys of conductive targets. Designed for efficiency, this cutting-edge, app-controlled, survey solution delivers precise resistivity data for groundwater, geology and environmental surveys down to 200 m.



General

Control GroundTEM Ralli Controller on

Android tablet (supplied)

(PC software also available)

Survey speed up to 20 km/h
Positioning Onboard GNSS
Environmental -20 to +50 °C

Communication &

Support Via Wi-Fi / internet connection

Transmitter (Tx)

Loop options $2 \text{ m} \times 2 \text{ m} \times 1 \text{ turn}$

 $3 \text{ m} \times 3 \text{ m} \times 1 \text{ turn}$

 $3 \text{ m} \times 3 \text{ m} \times 3 \text{ turns}$

Output current Dual moment

 $3A/30A(3\times3\times1Tx loop)$

Pulse frequency

2000 Hz / 630 Hz ($3 \times 3 \times 1$ Tx loop) Active, liquid

Cooling Power

External custom battery case for

(recommended) 12 V 100 Ah Li-ion

battery

Reciever (Rx)

Channels

Coil $0.6 \text{ m} \times 0.6 \text{ m}$, multi-turn (20 m²

effective)

Sample rate 4 MHz

First gate Centered on 4 / 12 µs (low / high

moment, $3 \times 3 \times 1$ Tx loop)

Power 1 × removable Li-ion

14.4 V, 6.8 Ah, 99.4 Wh

Shipping

Main system Palletized

 $1.2 \times 0.8 \times 1.0 - 1.2 \text{ m} (W \times D \times H)$

~150 kg

Additional package $2.0 \times 0.2 \times 0.2 \text{ m} (W \times D \times H)$

for 3 m Tx loops ~ 13 kg

Visit us at: www.guidelinegeo.com

GUIDELINEGEO

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