



# ABEM

by Guideline Geo

## Technical Specification

### ABEM LS Extender

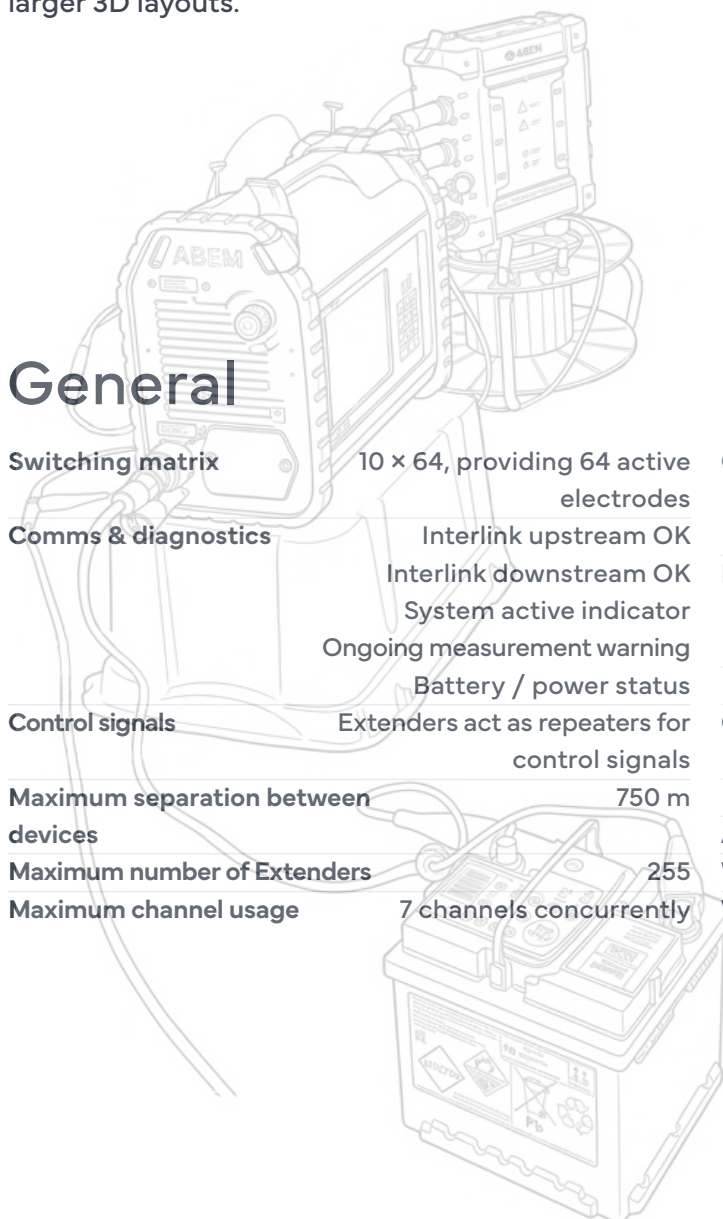


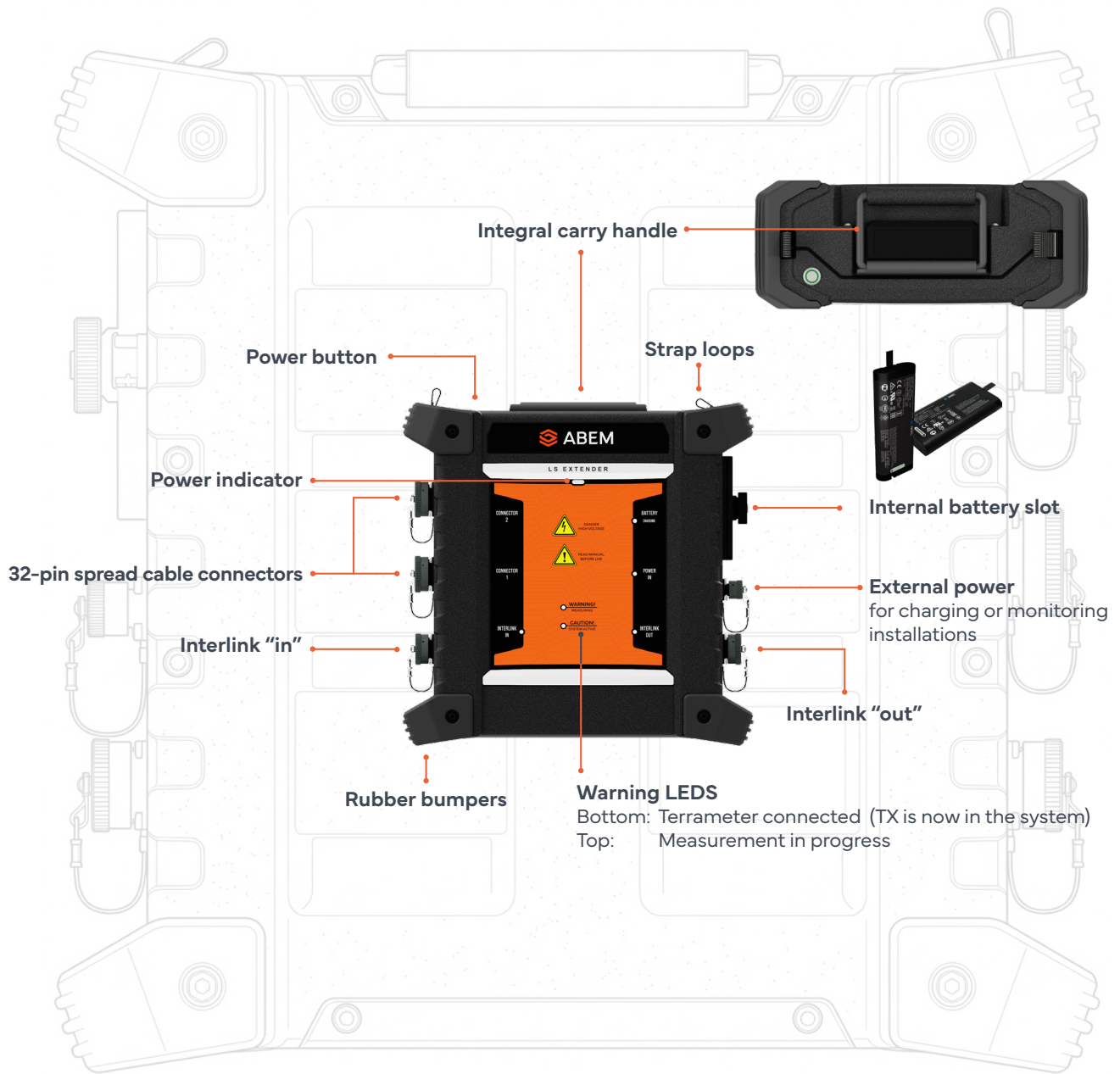
The LS Extender represents a smarter alternative to the ES10-64C for increasing the number of available electrodes on ERT projects. Each LS Extender has the capacity to address 64 electrodes, and the units can be connected in series to further expand the electrode capacity. The maximum number of electrodes that can be controlled by a single Terrameter LS 2 is in excess of 16,000.

Although the LS Extender has a limit of 750 m between each device in the layout, each unit acts as a repeater for the relay control signals, allowing for larger layouts. External electrode selectors allow for the creation of longer and (or) denser spreads of electrodes, useful for better resolution, deeper surveys or larger 3D layouts.

## General

Switching matrix	10 × 64, providing 64 active electrodes	Connectivity	2 × KPT 32-pin for imaging cables 1 × KPT 19-pin 'Interlink In' 1 × KPT 19-pin 'Interlink Out'
Comms & diagnostics	Interlink upstream OK Interlink downstream OK System active indicator Ongoing measurement warning Battery / power status	Power	10.8 V, 6.8 Ah internal Li-ion battery 14.4 V, 6.8 Ah internal Li-ion battery (optional) Onboard charging 16 V external power adapter
Control signals	Extenders act as repeaters for control signals	Casing	Rugged shock-resistant case with rubber bumpers IEC IP66 Integral folding handle
Maximum separation between devices	750 m	Ambient temp. range	-20 °C to +70 °C
Maximum number of Extenders	255	W × H × D	34 × 33 × 13 cm
Maximum channel usage	7 channels concurrently	Weight	6.6 kg (without battery) 7.0 kg (with battery)





## Accessories



Shoulder strap



Spare batteries



Shipping case



Battery charging cradle



Interlink cables