TRAXLOGIX™

PRELIMINARY

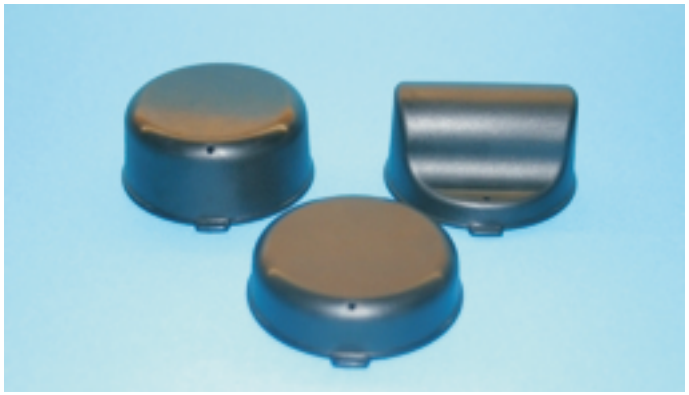
BP-155

Non-rechargeable 5500mAh lithium battery pack with memory for Traxlogix base units

INDUSTRIAL GRADE

FEATURES

- LI-SOCL2 chemistry
- High-power spiral type
- 5500mAh capacity
- Up to 3 years autonomy with a TRX-110
- Splashproof after installation
- Internal 256 Kbit EEPROM memory
- Battery unique ID identification
- Maintenance-free
- RoHS-compliant
- Design based on SAFT LSH-14 cell



APPLICATIONS

The BP-155 is specially designed to provide an industrial-grade, long-lasting source of energy for the entire Traxlogix TRX series of tracking base units :

- automotive
- motorbikes
- marine
- construction equipment
- and much more

COMPATIBILITY

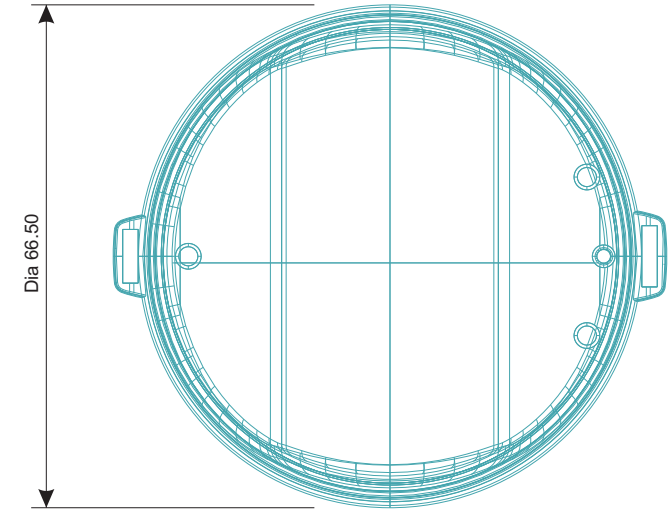
The BP-155 is compatible with the following tracking base units :

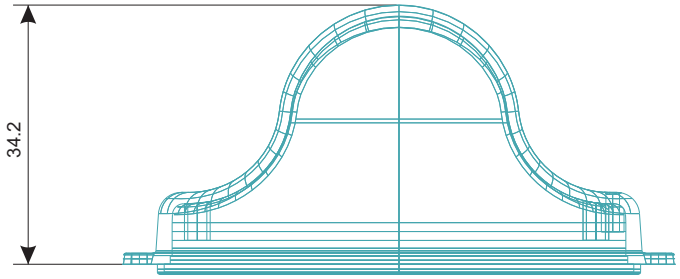
- TRX-110
- TRX-200
- TRX-220
- TRX-300
- TRX-330
- TUR-100 USB reader compatible

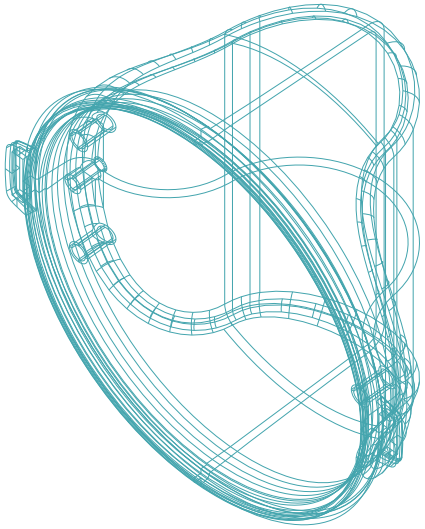
DESCRIPTION

The TRAXLOGIX BP-155 battery pack provides a long-lasting, primary non-rechargeable power source for the entire TRX series of products. It was initially designed for use with the TRX-110 tracking base unit in automotive and marine applications, in which the tracking unit connects to and disconnects from the GSM network at regular intervals. With the battery pack's capacity of 5500mAh (if the product connects to the GSM network once a day), fully functional autonomy for up to three years can be expected. The BP-155 is 100% maintenance-free. The internal 256Kbit EEPROM provides enough memory space to store up to 10,000 GPS positions. Each battery pack has a unique, 64-bit ID serial number programmed during the production process, allowing the tracking base unit to recognize which type of battery is connected and detect when the user replaces the battery with a new one. Energy is supplied through the use of a premium-quality lithium/thionyl chloride single cell, delivering a nominal voltage of 3.6 volts with a pulse discharge current capability of up to 2000mA. The GPS positions stored in the memory can be downloaded with the TUR-100 USB reader.

MECHANICAL







All dimensions are in millimeters

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	VALUE	UNIT
Nominal voltage:	3.6	Volt
Standard discharge current:	10	mA
Maximum discharge current (pulse):	2000	mA
Internal short circuit protection limit:	3000	mA

ENVIRONMENTAL CHARACTERISTICS

CHARACTERISTICS	VALUE	UNIT
Storage temperature range:	-45 to +85	°C
Normal operating temperature range:	-30 to +80	°C
Weight:	98	g
Transportation restrictions:	Class 9 product (Please call factory)	

Hazards Identification

Do not short circuit, recharge, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. Risk of fire or explosion. The Lithium-Thionyl chloride batteries described in this Product Safety Data Sheet are sealed units which are not hazardous when used according to the recommendations of the manufacturer. Under normal conditions of use, the electrode materials and liquid electrolyte they contain are not exposed to the outside, provided the battery integrity is maintained and seals remain intact. Risk of exposure only in case of abuse (mechanical, thermal, electrical) which leads to the activation of safety valves and/or the rupture of the battery containers. Electrolyte leakage, electrode materials reaction with moisture/water or battery vent/explosion/fire may follow, depending upon the circumstances.