

## Neon Ethernet Terminals

- Internet enabled
- 3G High Speed Terrestrial Global coverage
- Built-in logger
- Expandable via the Starlogger interface and Modbus interface IO Modules
- Modbus RS485 Interface
- SDI-12 interface for connection to a wide range of low power instruments
- On-board digital and analogue interfaces for direct connection to sensors and other Instruments
- Built in logger with optional 8Mb on-board non-volatile flash memory archive
- USB host port to support additional optional accessories




### Physical specifications

Material:	Anodised aluminium
Size:	240mm x 150mm x 78mm (HxWxD)
Weight:	1,160 grams (including battery pack)
Operating temp:	-20°C to 60°C. Not affected by humidity

### Electrical specifications

Battery:	10.8V 13Ah lithium (non-rechargeable)
Battery life:	5 years (based on daily schedule)
External power:	10.5 to 24V DC input available if required
Instrument power:	5V unregulated supply (5mA max) plus 2.5V ref (5mA max)
I/O:	4 x analog inputs – 12 bit resolution 1 x counter input – 16 bit/3kHz, 3–5V DC signal (included) 3 x counter inputs – 16 bit/300Hz, 3–5V DC signal (option) 1 x open collector output, 250mA max 1 x HSIO (16 x 16 bit bi-directional, synchronous data) channel
SDI-12:	SDI-12 v1.3 recorder (1200 baud smart instrument channel)
Modbus:	RS485 RTU Protocol, 19200 baud max, Functions 01, 02, 03, 04, 05/15, 06/16
Ethernet:	1 or 3 standard Ethernet ports Optional ethernet Wi-Fi

### Integrated logger specifications

Storage memory:	30kB/15,000 readings – non-volatile flash memory
Optional memory:	8MB/4,000,000 readings – non-volatile flash memory
Time clock:	Crystal regulated, +/- 10 seconds/month – automatically network synchronised
Scan rates:	Programmable from 1 second to 5 minutes