

## LineIQ-35 Network Logger Product Specifications

<b>Overhead System</b>	3 or 2 wire, single earth, SWER
<b>Line Voltage</b>	5 - 145kV
<b>Line Frequency</b>	45 – 65Hz
<b>Fault Current Sensing</b>	5 Amps - 25,000 Amps for Earth Fault 25 Amps - 25,000 Amps for Phase to Phase Fault
<b>Sensing</b>	Horizontal and Vertical Magnetic Fields, Electric Field, Temperature sensor (optional).
<b>Trigger principle</b>	100% increase over prior load "history" with Electric field variation. Fault type determined by post fault voltage status. Ratio based discrimination for inrush currents
<b>Fault Sensing Time</b>	Two cycle after fault onset (40msec @50Hz)
<b>Memory Size</b>	60KBytes
<b>Power Source</b>	Single array of monocrystalline cells, 1W, 3V
<b>Energy Storage</b>	4 x 2V 2.5Ah SLA Cyclon cells.
<b>Battery Life</b>	Up to 10 years
<b>Power Consumption</b>	Cellular communications shut down: 10mW (typical) Cellular communications active: 1W (typical) Note: Cellular power consumption varies with signal strength.
<b>Low Battery Indication</b>	Yes
<b>Light source</b>	Three high intensity LED's, 2 x Red and 1 x Amber
<b>Visibility (daytime / nighttime)</b>	50m/500m
<b>Local Communications</b>	2.4GHz spread spectrum 50m range (line of sight)
<b>Remote Communications</b>	Embedded 3G cellular (PCI Express Mini Card). Operates in unsolicited mode with configurable active time window.
<b>Supported Protocols</b>	DNP3, FTP, XML.
<b>Operating Temperature Range</b>	-20 °C to +65 °C (extended -40 °C to +85 °C upon request)
<b>Humidity</b>	0% to 100%
<b>Materials</b>	UV Stable XENYOY-X5300WX, Stainless Steel 316, Silicone Shore A 40.
<b>Dimensions (mm)</b>	265 x 200 x 190
<b>Weight</b>	2.2 kg shipped

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**GridSense, Inc.**

2568 Industrial Blvd., Ste. 110 Tel: 916-372-4945

West Sacramento, CA 95691 Fax: 916-372-4948

www.gridsense.com

**CHK GridSense Pty. Ltd.**

Unit 3 20-36 Nancarrow Ave.

Meadowbank, NSW 2114 Australia

**ABN 63 001 658 091**

Tel: +61 2 8878-7700

Fax: +61 2 8878-7788