STOCKED PRODUCT, READY FOR DELIVERY.

2 TWO YEAR WARRANTY

GeoLogger Linx™ Series

A range of low-cost battery powered data loggers for stand-alone monitoring which can be used with all types of vibrating wire sensors

Android App
In-built Barometer
Auto-Load Calibration Factors
IP67 Waterproof Rating
Polycarbonate Enclosure

GEOSENSE

Overview

APPLICATIONS

Stand-alone monitoring of VW sensors and/or thermistors such as:

Piezometers

Crack Meters

Joint Meters

Strain Gauges

Pressure Cells

Load Cells

Rod Extensometers

Weir Monitors

FEATURES

Compatible with all VW sensors

Reads VW & temperature

Auto fill of calibration data

Low power requirement

Standard Alkaline battery

Lithium battery option

Battery life > 8 years

Robust construction

Simple to install & download

8MB internal memory

Download via USB

LINX software included

IP67 enclosure

In-built barometer

In-built lightning protection (TVS)

The GeoLogger Linx™ is a range of low-cost battery-powered data loggers for stand-alone monitoring which can be used with all types of vibrating wire sensors such as piezometers, load cells, crack meters, joint meters, strain gauges, pressure cells, weir monitors and extensometers, together with their associated thermistors.

The Linx's large 8MB or 16MB (channel dependent) internal memory enables the storage of up to 115000 readings. It allows onboard engineering conversions which are saved along with sensor readings. The data is accessible through a mini USB interface, so that data can be transferred easily to an android device through an application in the field in csv format.

Supplied with a free LINX android application, configuration for sensors, engineering conversion settings and logger parameters, such as date, time, and sweep frequency range, is quick and easy. Automatic uploading of calibration factors can also be done through GeoConnect or through a user created configuration file.

Housed in a rugged Polycarbonate IP67 rated tamper-proof enclosure, GeoLogger Linx™ loggers are suitable for the harsh environment typically found within civil and structural engineering applications.

GeoLogger Linx™ Series

Linx Specifications

| MODEL	LINX-1C	LINX-3C	LINX-6C
Channels	1 VW + 1 NTC	3VW + 3 NTC	6 VW + 6 NTC
VIBRATING WIRE			
Excitation	±3.3V	±3.3V	±3.3V
Range	600 to 6000 Hz	600 to 6000 Hz	600 to 6000 Hz
Resolution	0.10 Hz	0.10 Hz	0.10 Hz
Accuracy[1]	<0.01% FSO	<0.01% FSO	<0.01% FSO
THERMISTOR			
Range	376 to 400000 Ohms 40 to +80°C (3K & 10K Thermistor)	376 to 400000 Ohms 40 to +80°C (3K & 10K Thermistor)	376 to 400000 Ohms 40 to +80°C (3K & 10K Thermistor)
Resolution	0.1 Ohms (0.1°C)	0.1 Ohms (0.1°C)	0.1 Ohms (0.1°C)
Accuracy (25 °C)[2]	<0.1% FSO	<0.1% FSO	<0.1% FSO
BAROMETER (TEMPERATURE COMPENSATED)			
Unit	mbar	mbar	mbar
Relative accuracy	±1.5 (0°Cto 55°C)	±1.5 (0°Cto 55°C)	±1.5 (0°Cto 55°C)
COMMUNICATION			
Port	Mini B USB	Mini B USB	Mini B USB
Software	Linx Android Application	Linx Android Application	Linx Android Application
Readout	Android PDA	Android PDA	Android PDA
DATA STORAGE			
Memory	8MB	16MB	16MB
Readings	up to 115,942	up to 118,518	up to 68,376
On memory full	Overwrite old data or stop	Overwrite old data or stop	Overwrite old data or stop
Reading interval[3]	14 Pre-defined Intervals	14 Pre-defined Intervals	14 Pre-defined Intervals
Time format	Day/Month/Year hr:min:sec	Day/Month/Year hr:min:sec	Day/Month/Year hr:min:sec
POWER			
Voltage	3-7.5V	3-7.5V	3-7.5V
Standard battery[4]	4 x AA Alkaline	4 x C Alkaline	4 x C Alkaline
Battery life[5]	>8 years	>8 years	>8 years
Operating temperature	-20°Cto 55°C	-20°Cto 55°C	-20°Cto 55°C
ENCLOSURE			
Material	Polycarbonate	Polycarbonate	Polycarbonate
Dimensions (L x W x H)	151 x 125 x 90mm	151 x 125 x 90mm	151 x 125 x 90mm
Rating	IP67	IP67	IP67
Weight (with battery)	431g	820g	820g
Weight (without battery)	333g	539g	539g

[1] Sensor dependent [2] Sensor & temperature dependent [3] Scheduled reading available
[4] Lithium battery available on request [5] Based on 25°C @ 6 hourly interval
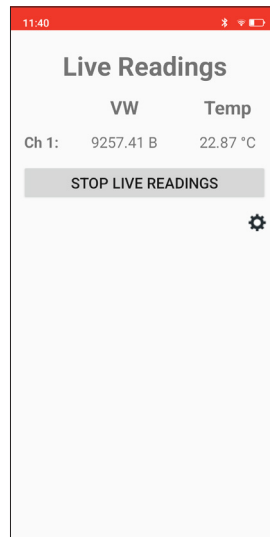
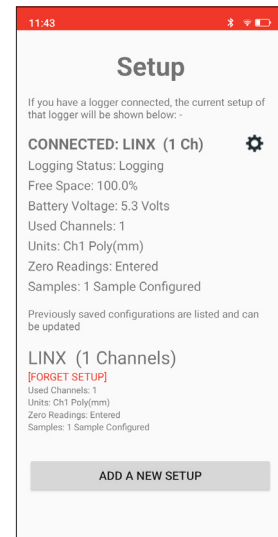**www.geosense.com**

GeoLogger Linx™ Series

Linx App

This Android app allows you to setup your loggers and download data directly to your mobile device via a USB OTG cable, allowing you to send the data directly to those who need it. The app has inbuilt connection to our digital calibration data making downloading calibration factors even simpler.
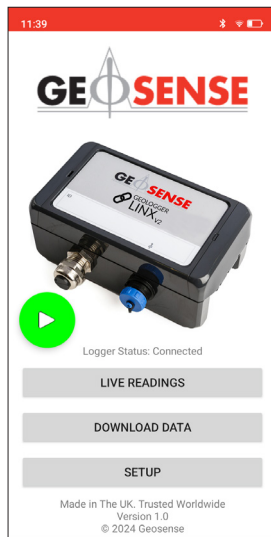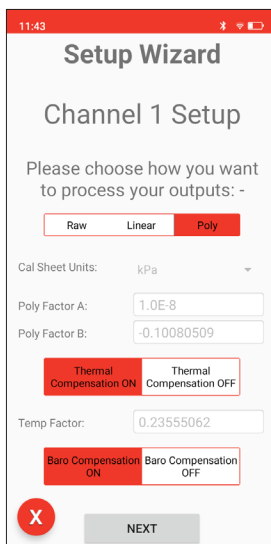

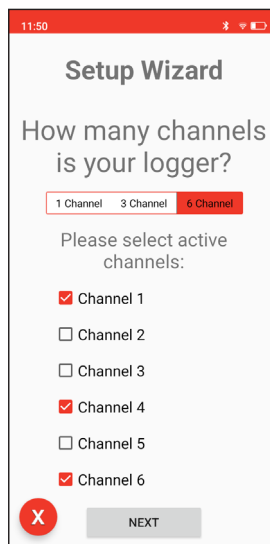App automatically opens and loads logger configuration when connected.
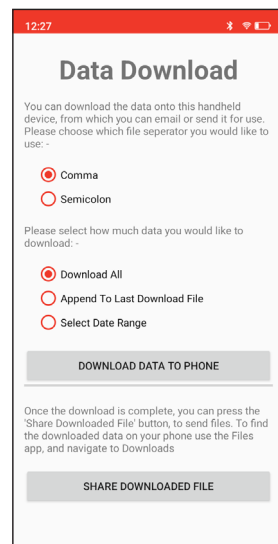

Easily see connected sensors readings in real time.

Logger configuration summary with offline logger setup capability.

Fully configure each sensor with factors pulled straight from our cloud service Geosense Connect.

Configuration flexibility, individual channel selection and setup.

Download your data to the phone.

GE◊SENSE
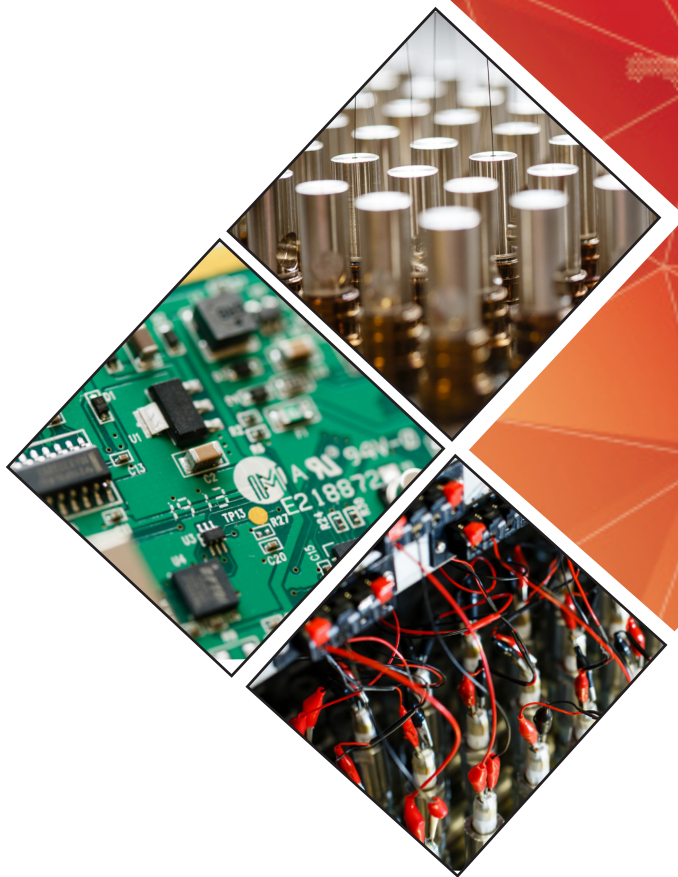
HEAD OFFICE

Nova House
Rougham Industrial Estate
Rougham, Bury St Edmunds
Suffolk IP30 9ND
England

+44 (0)1359 270457
sales@geosense.com
support@geosense.com

NORTH AMERICA OFFICE

15 West 38th Street
Suite 632
New York
NY 10018

+1 518-920-3483
sales@geosense.com
support@geosense.com

www.geosense.com