Geologger Linx™ Connect

The popular Linx data loggers now with cellular connectivity for stand-alone monitoring which can be used with all types of vibrating wire sensors

NEW FEATURES
Cellular connection
IP67 Waterproof Rating
Polycarbonate Enclosure
Auto-Load Calibration Factors

Geologger Linx™ Connect Series

Overview

The Geologger Linx™ Connect offers all the benefits of the popular Linx data logger with the advantage of cost-efficient cellular data transmission via an internal SIM card. Excellent energy efficiency, reliable and stable transmission of readings and the sturdy construction of the data loggers means almost maintenance-free and cost-efficient data measurement.

This range of low-cost battery-powered data loggers (1, 4 and 8 (coming soon) channel models) is designed for stand-alone monitoring and 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 internal memory enables the storage of up to 270,000 readings. As the internal memory operates as a USB mass storage device, the data is accessible through a mini USB interface meaning data can also be transferred easily to a laptop device in the field in CSV format.

Supplied with free LINX software, configuration for sensors and logger parameters, such as date, time, and sweep frequency range, is quick and easy. Automatic uploading of calibration factors can also be done using a simple text file provided at the time of supply.

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

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

Cellular connectivity (SIM card)

Data transferable via FTP

Internal antenna

Compatible with all VW & NTC sensors

Auto fill of calibration data

Lithium battery

Battery life[4] > 6 months

Robust construction

Simple to install & download

8MB internal memory

Local download via USB

LINX software included

IP67 enclosure

In-built lightning protection (TVS)

Geologger Linx™ Connect Series

Linx Specifications

MODEL	LINX-1C	LINX-4C	LINX-8C (coming soon)
Channels	1 VW + 1 NTC	4 VW + 4 NTC	8 VW + 8 NTC
VIBRATING WIRE			
Excitation	0 - 5 V	0- 5 V	0- 5 V
Range	260 to 4800 Hz	260 to 4800 Hz	260 to 4800 Hz
Resolution	0.10 Hz	0.10 Hz	0.10 Hz
Accuracy[1]	0.01% Full Scale	0.01% Full Scale	0.01% Full Scale
THERMISTOR			
Range	1000 to 64000 Ohm	1000 to 64000 Ohm	1000 to 64000 Ohm
Resolution	<4 ohm	<4 ohm	<4 ohm
Accuracy(25 ºC)[2]	0.3 ºC	0.3 ºC	0.3 ºC
COMMUNICATION			
Port	Mini B USB	Mini B USB	Mini B USB
Software	Linx	Linx	Linx
Readout	Windows XP onwards	Windows XP onwards	Windows XP onwards
External	2G/3G	2G/3G	2G/3G
DATA STORAGE			
Memory	8MB	8MB	8MB
Readings	up to 279,000	up to 135,000	up to 83,000
On memory full	Overwrite old data or stop	Overwrite old data or stop	Overwrite old data or stop
Reading interval[3]	sec/min/hr/day/month/year	sec/min/hr/day	sec/min/hr/day
Time format	Day/month/year; hr/min/sec	Day/month/year; hr/min/sec	Day/month/year; hr/min/sec
POWER			
Voltage	7.2Vdc	7.2Vdc	7.2Vdc
Battery	2 x Lithium C	2 x Lithium C	2 x Lithium C
Battery life[4]	> 6 months	> 6 months	> 6 months
Operating temperature	-20℃to 55℃	-20℃to 55℃	-20℃to 55℃
ENCLOSURE			
Material	Polycarbonate	Polycarbonate	Polycarbonate
Dimensions (L x W x H)	150 x 80 x 60mm	191 x 125 x 90mm	191 x 125 x 90mm
Rating	IP67	IP67	IP67
Weight (with battery)	431g	1225g	1225g
Weight (without battery)	333g	945g	945g

GE SENSE

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