rst INSTRUMENTS

Monitor with Confidence

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RST Instruments Ltd.
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Certified System
ISO 9001

CR6 FlexDAQ Data Logger (with optional wi-fi) in a weatherproof enclosure with RST Flexi-Mux Multiplexers.

CR300 FlexDAQ Data Logger shown with optional cellular modem for data communication.

PRODUCT CATEGORY:
READOUTS + DATA LOGGERS

flexDAQ DATALOGGERS

READY TO RUN
pre-assembled
pre-wired
pre-tested
pre-programmed

FlexDAQ Data Loggers

Ideal for remote monitoring in both common and demanding geotechnical conditions, RST FlexDAQ Data Loggers offer precise measurement and reliable data acquisition from various sensor types and gauges including vibrating wire, thermistor, MEMS (analog and digital), Tensmeg, linear potentiometer, strain gauge, LVDT, TDR, etc.

The 4 main FlexDAQ models are the CR6, CR300, CR200X, CR800, and CR1000. All offer extreme flexibility in their design configurations and are custom made to accommodate a variety of sensor types as they pertain to the parameters of your project. The framework for building a FlexDAQ Data logger is dependent on the type, number, precision, and speed of measurements required. Best of all, FlexDAQ Data Loggers arrive to you completely pre-assembled, pre-wired, pre-tested, and pre-programmed; ready to be put to work straight out of the box with minimal set-up.

All FlexDAQ Data Loggers bear similarities in measurement and programming capabilities and can easily incorporate additional sensor and telecommunication options.

> APPLICATIONS

Remote data logging of various types of geotechnical instrumentation used in dams, tunnels, bridges, mines, and natural slopes.	Alarm triggering when movement reaches a preset critical rate or levels reach a present value.
Real time data logging and analysis.	

> FEATURES

Immediate functionality straight out of the box - "Ready to Run".	Weatherproof housing available.
Pre-assembled, pre-wired, pre-programmed and pre-tested.	
Flexible data logger configurations made to exact customer specifications.	

Multiplexers, such as the RST Flexi-Mux (see photo below left, separate brochure available), and/or SDM devices may be added to augment measurement and control capabilities that include:

Adding extra sensors that can be monitored by the data logger (RST Flexi-Mux).	Providing non-volatile data storage and on-board battery-backed clock.
On-board data processing.	Initiating measurement and control functions based on time or event.
Controlling external devices such as pumps, motors, alarms, freezers, valves, etc.	Using PC support software or keyboard/display to program.
Operating independently of AC power, computers, and human interaction.	Consuming minimal power from a 12 Vdc source.

Interfacing with on-site and telecommunication devices such as cellular modems, radio transceivers, Wi-Fi routers, satellite transmitters, and ethernet interfaces. See diagram on reverse.

> BENEFITS

✓ Increase Productivity	✓ High Accuracy
✓ High Reliability	✓ Technical Support
✓ Custom Options	✓ Increase Safety

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FlexDAQ Data Loggers

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SPECIFICATIONS + ORDERING

SPECIFICATIONS

FLEXDAQ DATA LOGGER MODEL	SPECIFICATION
CR6	Due to the customizable nature of each FlexDAQ Data Logger model, specifications can vary greatly in accordance to customer specifications and optional additions. Please contact RST Instruments Ltd. for complete information.
CR300	
CR200X	
CR800	
CR1000	

ORDERING INFO

ITEM	PART #
CR6	ELGL1206
CR300	ELGL1430
CR200X	ELGL1400
CR800	ELGL1300
CR1000	ELGL1200
Flexi-Mux Multiplexer	ELGL2042

COMMUNICATION METHODS