



# FlexDAQ Dataloggers



FlexDAQ Datalogger Model CR1000



FlexDAQ Datalogger in weatherproof enclosure



Flexi-Mux Multiplexer for increasing number of sensors

designed to your exact specifications

**READY TO RUN**

**flexDAQ**  
D A T A L O G G E R S

pre-assembled  
pre-wired  
pre-tested  
pre-programmed

Ideal for remote monitoring in both common and demanding geotechnical conditions, RST FlexDAQ Dataloggers 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 three main FlexDAQ models are the CR200, 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 Datalogger is dependent on the type, number, precision, and speed of measurements required. Best of all, FlexDAQ Dataloggers 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 Dataloggers bear similarities in measurement and programming capabilities and can easily incorporate additional sensor and telecommunication options. Multiplexers, such as the RST Flexi-Mux, and/or SDM devices may be added to augment measurement and control capabilities that include:

- adding extra sensors that can be monitored by the datalogger (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 telephone modems (including cellular and voice-synthesized), short haul modems, radio transceivers, satellite transmitters, and ethernet interfaces.



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## applications

Remote datalogging 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".

Pre-assembled.

Pre-wired.

Pre-tested.

Pre-programmed.

Flexible datalogger configurations made to exact customer specifications.

Weatherproof housing available.



specifications + ordering info

# FlexDAQ Dataloggers



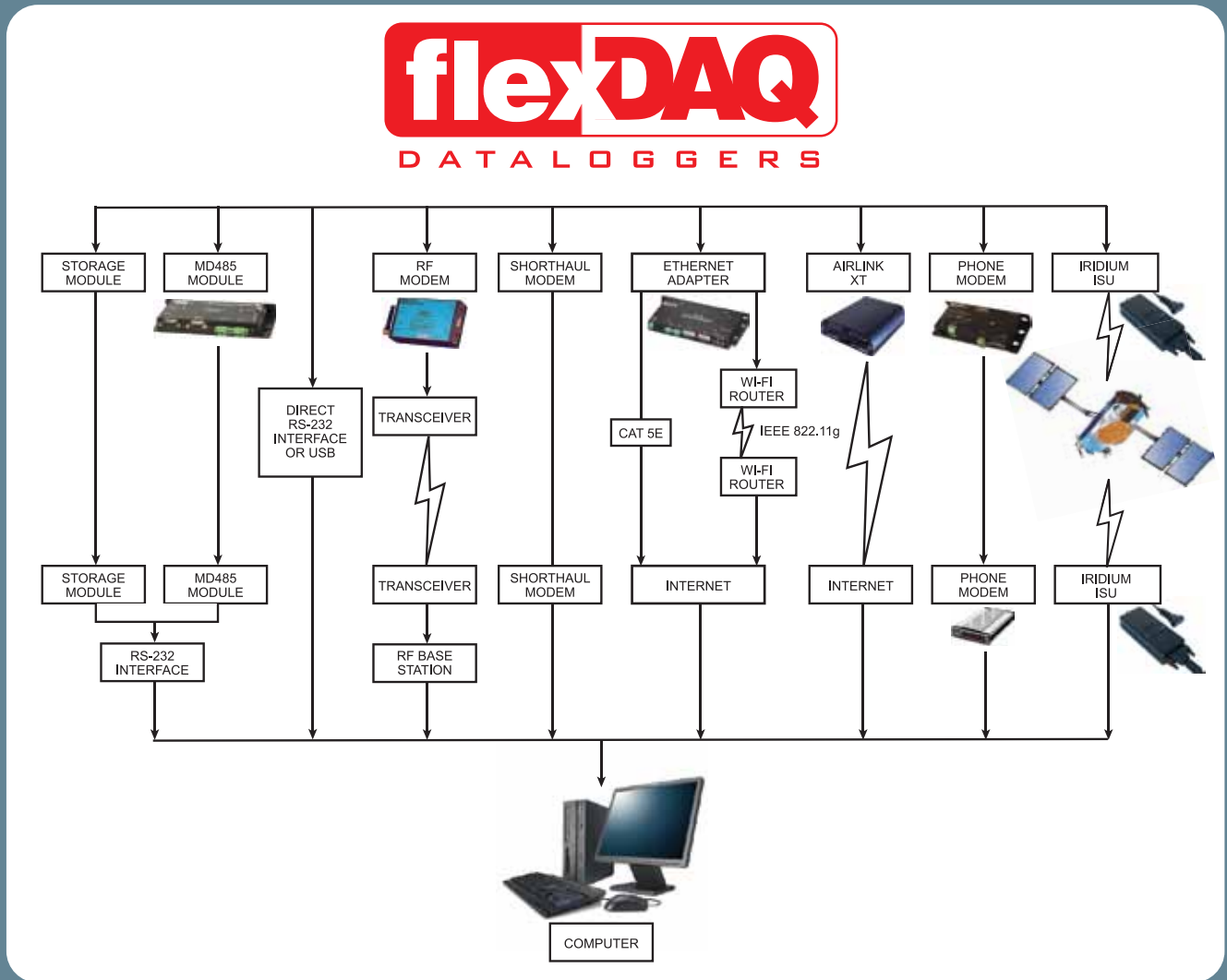
## specifications

FLEXDAQ DATALOGGER MODEL	SPECIFICATION
CR200	Due to the customizable nature of each FlexDAQ Datalogger model, specifications can vary greatly in accordance to customer specifications and Flexi-Mux additions. Please contact RST Instruments Ltd. for complete information.
CR800	
CR1000	

## ordering info

ITEM	PART #
CR200	ELGL1400
CR800	ELGL1300
CR1000	ELGL1200
Flexi-Mux Multiplexer	ELGL2042

### diagram of possible communication methods



GEOTECHNICAL . MINING . ENVIRONMENTAL . STRUCTURAL