



# Flexi-Mux



65 channel X 4 line Vibrating Wire Datalogger

## specifications

ITEM	DESCRIPTION
Power	12 Vdc (under load), unregulated
Current Drain	10 $\mu$ quiescent; 8 mA active
Reset Active Levels, max.	2.0 V
Clock Active Levels, max.	2.0 V
Min. Clock Pulse Width	1 ms
Max. Actuation Relay Time	20 ms
Relay Operation	Break before make
Initial Relay Resistance, max.	0.1 Ohm
Max. Switching Current	1 A
Min. Contact Life	10 <sup>7</sup> closures
Operating Temp.	-40°C to 70°C (-40°F to 158°F) - extended
Size	8.15"H x 1.05"W x 3.17"D
Weight	0.24 kg (0.53 lbs.)

The RST Instruments Flexi-Mux allows a single channel of data loggers such as the Campbell CR1000 to be sequentially connected to numerous sensors. Each Flexi-Mux can sequentially multiplex 5 groups of 4 lines for a total of 20 lines. Alternatively, internal DIP switch settings permits the multiplexing of 10 groups of 2 lines.

The extremely slim and compact (8.15"H x 1.05"W x 3.17"D) vertical design permits the Flexi-Mux to occupy minimal space in the control box which allows for more Flexi-Mux units to be installed. By utilizing a unique cascade feature, there is theoretically no limit to the number of channels which can be connected to the datalogger.

Conveniently designed detachable screw terminals allow rapid wiring of large systems, with straightforward testing and substitution of both sensors and multiplexers. Built-in transient protection on every line safeguards against damage which can be caused by occurrences such as nearby lightning.

The Flexi-Mux requires only 2 data logger control ports; one for "enable" (Reset terminal), and a second for channel stepping (Clock terminal). The Flexi-Mux is compatible with most sensors including load cells, pressure transducers, vibrating wire sensors, thermistors, potentiometers, and numerous other specialty sensors.

## accessories

Datalogger readout

## ordering info

ITEM	PART #
Flexi-Mux 5/10 Channels - Datalogger Multiplexer	ELGL2042



RST Instruments Ltd. reserves the right to change specifications without notice.



**RST Instruments Ltd.**  
200 - 2050 Hartley Ave.  
Coquitlam, BC  
Canada V3K 6W5

Telephone: 604 540 1100  
Facsimile: 604 540 1005  
Toll Free: 1 800 665 5599



info@rstinstruments.com

www.rstinstruments.com

## applications

Monitor numerous types of sensors in conjunction with a datalogger.

## features

Unlimited connections to datalogger using cascading method.

Slim and compact vertical design utilizes available box space efficiently.

Quick access, detachable screw terminals simplify wiring process.

Built in transient protection on every line.

GEOTECHNICAL . MINING . STRUCTURAL



ELB0099F