

Model 8032 Multiplexer (MUX)

The Model 8032 Multiplexer expands the number of channels that can be read by the MICRO-1000 Datalogger or GK-403 Vibrating Wire Readout Box. The system consists of two components; a terminal board for making gage connections and a multiplexer board, with mechanical relays, to allow switching of the gage connections. Two switching configurations, set by a jumper on the multiplexer board, are supported; 16 channels of 4 conductors or 32 channels of 2 conductors. The terminal board for making gage connections has



provisions for optional lightning protection components. The switched channels are protected with tripolar plasma surge arrestors while the shield connections are outfitted with bipolar surge arrestors. Optional manual switches may be connected to the terminal board that permit easy access to each channel of the multiplexer for taking manual measurements with a portable readout in tandem with those taken automatically with the datalogger.

Specifications

Switching Current	1 A (maximum)
Contact Resistance	0.1 Ω (maximum)
Insulation Resistance	> 1 G Ω
Switch Life	> 200,000 cycles
Enclosure	Nema 4 fiberglass
Temperature Range	-20°C to +80°C
L x W x H ¹	318 x 277 x 159 mm

¹Does not include mounting feet.