

LOW SIGNALS SWITCHING MATRIX ISOLATED AND MODULABLE BIPOLAR SWITCHING

ADVEOMUX – MUX 116

DESCRIPTION

The AdvEOMux Mux116 low signals switching matrix is designed to adapt to multiple applications and device combinations : measurements, voltage sources, current sources... Thanks to its high noise immunity, this control matrix is suitable for low-signal applications (up to 1 pA). Isolated bipolar switching enables independent measurement of elements connected in series.

The rack can contain up to six independent MUX116 modules (multiplexer/demultiplexer) and one communication module. The association of different modules enables to carry out evolutive configurations. For example, by linking the common ones together, we obtain a 1-to-n multiplexer (n up to 96 in a rack). The device is controlled by sending simple ASCII code instructions to the communication module.

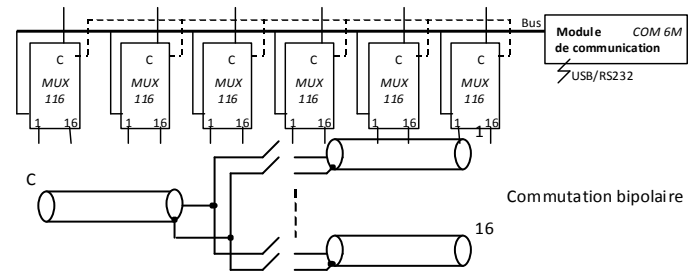
Your uses

- Measuring battery elements in series
- Measuring photovoltaic elements in series
- Broadcasting signals on independent channels

MAIN CHARACTERISTICS

Specifications

- Multiplexer 1 to 16 with 1 common output
- COM 6M PC module (RS232 or USB)
- Rack 3U, 19 inches
- SMA connectors
- Up to 6 MUX 116 modules and 1 COM 6M module



Applications

- Multiple tools control (source and measurement)
- Testing laboratories
- Dedicated to low-level applications
- Photovoltaic-type specific elements

Advantages

- Multi-channel measurement or source with a single input or output device
- Low noise level : allows to treat low-level signals (<1pA)
- Quick and easy to use / Very simple control
- Modularity makes it possible to create all kinds of configurations :
For example : 1-96, 3-32, 4*(1-16) ...

TYPE	DESCRIPTION	TYPE	DESCRIPTION
Number of channels per module	16 channels SMA connectors These are the channels to be routed for input (multiplexer) or output (demultiplexer).	"Common" channel	SMA connector which is the common channel of the multiplexer Usable for input (demultiplexer) or output (multiplexer)
Number of modules	Max 6 multiplexers 1 to 16 per rack	Rated current for each channel	1A max Contact or for low-level switching
Channels connection	Isolated SMA connectors	Time between switchings	50 ms

Control

USB or RS232 – Delivered with a utility for manual control.

*Other configurations, contact us...

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