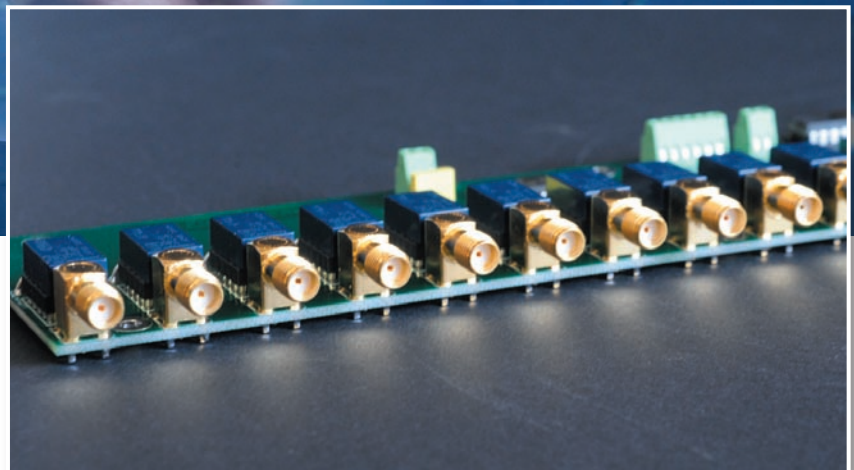


AdvEOMux



→ AdvEOMux Very low noise Multiplexer

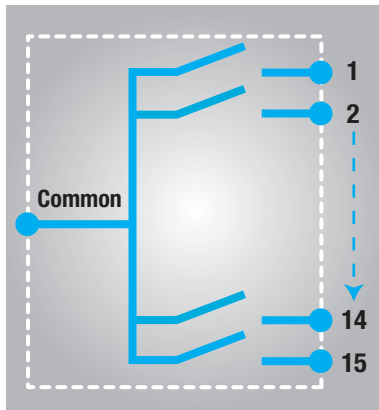
Precise and automated measurement of a large number of electrical signals as low as a picoamp is a challenge in instrumentation. Measurement of optoelectronic detector dark current and measurement of detector matrix crosstalk require very special care.

Originally designed by **AdvEOTec** for its own component qualification benches, **AdvEOMux** is a multiplexer suitable for the switching of a large number of very low noise channels.

AdvEOMux

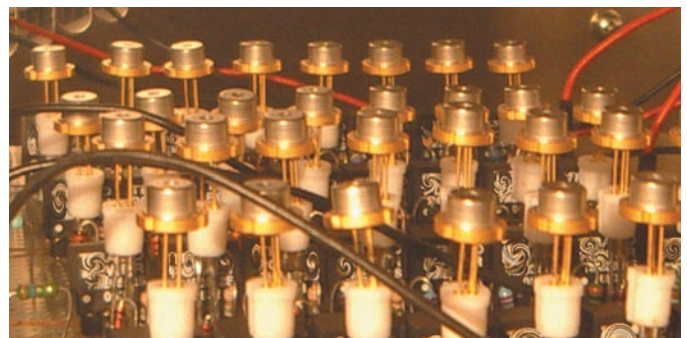
FLEXIBILITY AND PERFORMANCES

AdvEOMux is a compact 1 to 15 channel multiplexer. Each channel is perfectly isolated and independent one from the others. Easy to use, the USB port authorizes any kind of control system. Used as a concentrator



or as a demultiplexer, the user either controls each channel manually using the provided software or programs switching sequences using additional software according to the needs.

AdvEOMux is very flexible and offers the user total freedom.



Beyond 15 channels, the addressing systems allows to control 16 modules, increasing the number of high performance multiplexed channels to 240.

The performances of AdvEOMux make it the ideal product for applications such as very low dark current optoelectronics systems, ageing benches and switching a large number of measurement circuits.

SPECIFICATIONS

Number of channels	• 15 per module, extensible to 240 channels
Switching	• Bipolar relays, signal and reference (floating mass)
Isolation between 2 channels	• 200 V DC
Min. measuring current	• < 1 pA
Max. switching current	• 1 A
Switching time	• 5 ms max.
Max. switching power per channel	• 30 W en charge (30V/1A DC)
Max. switching voltage	• 110V DC / 125V AC
Connectors	• SMA
Computer Interface	• USB / RS232
Driving software	• Windows operating software (manual operation) LabView drivers
Power supply	• USB or external power supply

MODULES AND OPTIONS

Description	Reference
15 channel module, stand-alone unit	• MXp1-B15
15 channel module, OEM board	• MXp1-O15

Rack versions on demand

AdvEOTec is specialized in measurement of optoelectronics and in optoelectronics for measurements. Its activities are mainly oriented to demanding environments. For many years now, AdvEOTec has been providing

advanced systems and services to various industrial sectors such as telecommunications, defence, space, aeronautics, energy, biotechnologies and transportation.

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