

## DETECTOR OF OPTICAL AND ELECTRICAL DISCONTINUITIES / MICRO-CUTS / MICRO-EVENTS ELECTRICAL AND OPTICAL CIRCUITS AND CONTACTS MONITORING

AdvEOCount Modules

### DESCRIPTION

The AdvEOCount range of equipment is designed to qualify electronic/optical cords, connectors and circuits.

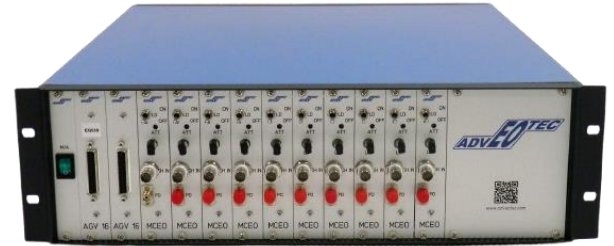
This equipment is equipped with modules. They detect untimely discontinuities/continuities on circuits or contacts during mechanical tests (for example: shocks, vibrations, shaking, rotation...).

The MCEO module is the first optical and electrical micro-cuts detector in the world.

This system is built, assembled and tested by our teams in our workshops and laboratories according to your specifications.

### Your components

Electrical connectors (simple, rotary joints...)  
Switches, electromechanical relays, solid-state relays...  
Resistive contacts and loads  
Optical connectors



### Applications

Component evaluation and qualification  
Aeronautics standards, transport, land applications ...  
R&D and reliability for electrical and optical components  
Mechanical tests laboratories

### MAIN CHARACTERISTICS

#### Specifications

- Monitoring of optical or electrical contacts
- Time selection, programmable range
- Autonomous detector and counter on each track
- Electrical and optical circuits opening or closing
- Display of number of events
- Computer remote (*display and storage*)
- Table-top package

#### Advantages

Quick and easy to use, programmable gauge time  
Adaptable drawers (optical and/or electrical)  
Adaptable to multiple components and applications  
Acquisition of defect curves  
Electrically isolated modules (easier management in disturbed environments)

TYPE	ADVEOCOUNT MODULE
Modules	MCEO
Programmable range	From 1 $\mu$ s to 1s
Type of contact	Optical or Electrical Open ou Closed
Type of circuits	Electrical or optical contacts
Power levels	<i>Electrical</i> : 5V/100mA <i>Optical</i> : -15 dBm to 850 nm
Connection of the component to be tested	<i>Electrical</i> : BNC or SMA <i>Optical</i> : Input FC/PC ; Output ST/PC
Input power range ( <i>optical</i> )	From -15 dBm to 0 dBm
Number of channels	Up to 10
Option : Adjustable detection threshold	<i>Electrical</i> : from 1 to 100% <i>Optical</i> : from 0,2 to 3 dB

\*Other configurations, contact us...

#### AdvEOtec

6 rue Jean Mermoz  
ZA Saint Guénaunt  
91080 Courcouronnes – France  
CO14AD003AHF32



Tél : +33(0)1.60.86.43.61  
salesdpt@advteotec.com  
www.advteotec.com



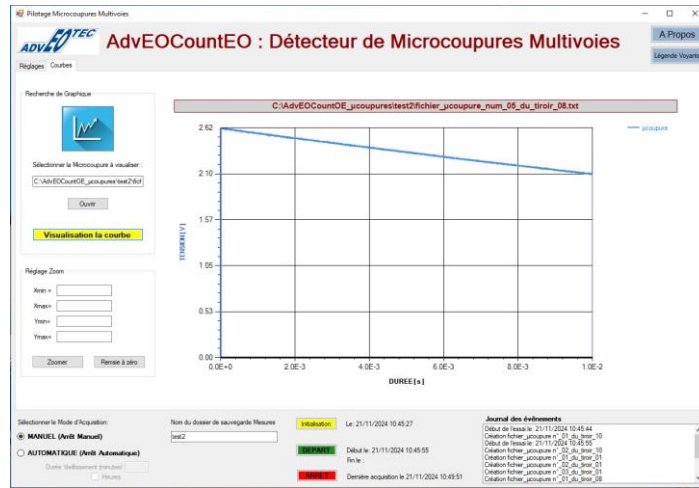


Figure 1 – Example of events curve

**Training and implementation assistance**

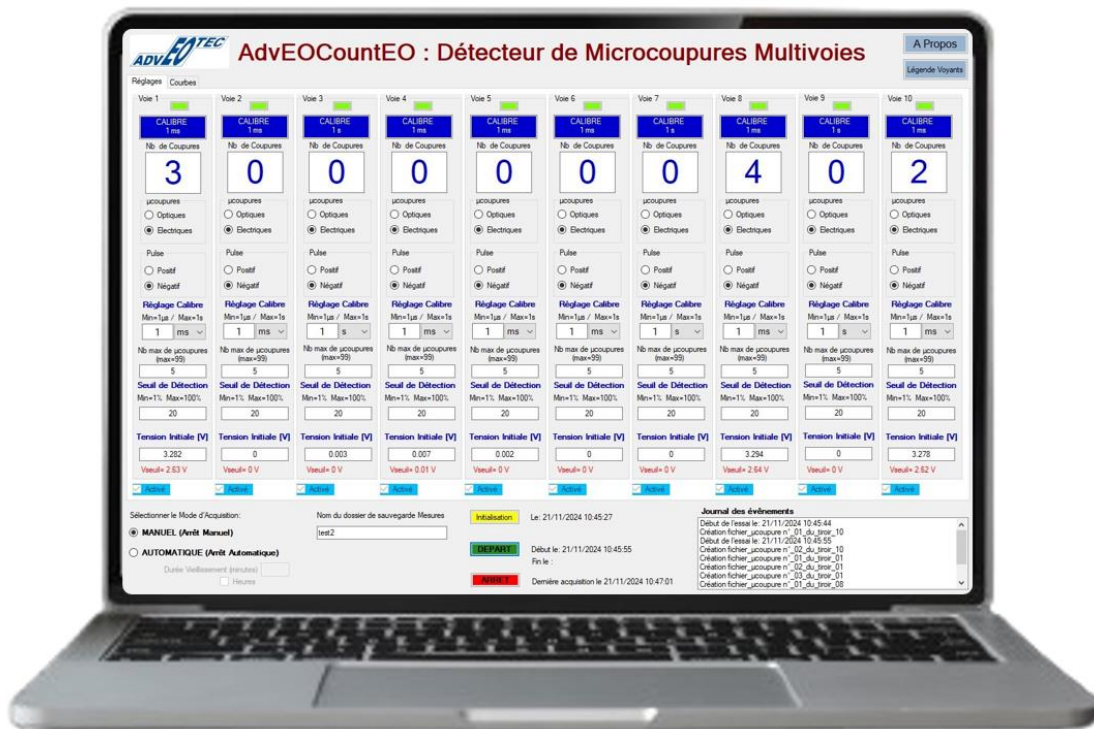
AdvEOTec offers a training and implementation assistance for the use of its equipment.

**Control**

The equipment is controlled by command words from the user’s computer (ASCII).

**Software**

AdvEOTec provides users with fast, configurable control and acquisition software, enabling micro-event sampling/time-stamping, for example.



\*Other configurations, contact us...