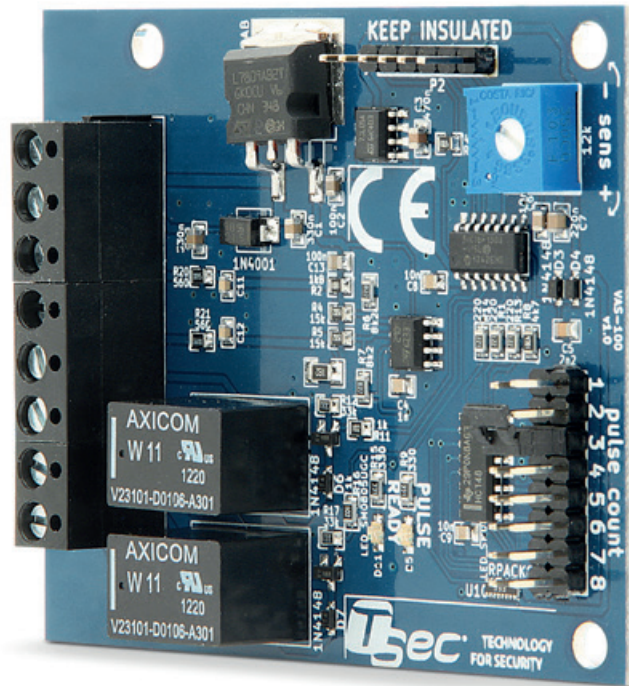


# VAS-100 models

SINGLE CHANNEL VIBRATION ANALYSIS BOARD

## VAS-100



### Analysis board for passive vibration detectors Single channel

VAS-100 is a microcontroller-based analysis board for passive vibration/shock detectors. Although it has been specifically designed for CLIC V-series sensors, it offers full compatibility with any passive, normally closed vibration detectors on the market. It accepts multiple sensors connected in series to its input, up to a maximum of 10 units.

It offers two independent outputs, each driven by an electromechanical relay. The first output gets open for 2 seconds in case of alarm. The second one gets open in case a tamper condition is detected on the input, such as open circuit or magnetic tampering on CLIC V-series sensors.

The board can be configured with two different parameters: the threshold for strong shocks (1-20msec), and the number of weak shocks that triggers an alarm (1-8).

#### TECHNICAL CHARACTERISTICS

**DIMENSIONS**  
78x62mm

**INPUT VOLTAGE**  
12VDC

**CURRENT CONSUMPTION**  
55mA

**ANALYSIS MECHANISM**  
Digital: 8-bit microcontroller

**COMPATIBILITY**  
Normally closed, passive vibration/shock detectors

**INPUT**  
1 port, from 1 to 10 sensors in series

**OUTPUT**  
1 alarm + 1 tamper – electromechanical relays

**CONFIGURATION**  
1 8-position shunt [number of weak shocks to generate an alarm], 1 trimmer [configuration of threshold for strong shocks]