UNIVERSAL ISOLATION MODULE
CANISO

CANISO is plug-in module, which allows galvanic isolation of analog input signals on SANYSE 801. Galvanic isolation is essential if input signals do not have common potential point (floating signals), when common mode voltage is too high or when ground loops have to be avoided. It is also recommended when input signals are connected over long wires or when high voltage is measured with voltage dividers. Modules are factory calibrated, given polynominal coefficients for linearization.

Fields of application:
- Current and voltage measurements on battery stations
- Current and voltage measurements on solar power plants
- Current and voltage measurements on electrical motors

Main features:
- Compatible with CANYSE 801
- High isolation voltage
- High accuracy
- Compact and waterproof
- Versions with different input voltages
- Isolated 5V power supply for probes, sensors or transducers

Operating conditions:
Temperature range: -20 °C to + 60 °C
Humidity: 0% to 100%

Input:
Input impedance: >30KΩ (1GΩ for 1V range)
Measuring range: ±200mV, ±500mV, 1V, 5V, 40V (other ranges on demand)
Output voltage: ±1.25V
Frequency range: 0 do 1KHz
Output noise: 100uVpp
Accuracy: (22°C±2°C): 0.05% + 0.1% range (with polynominal coefficients)
Temperature coefficient gain: ±50 ppm/°C
Temperature coefficient offset: ±80 ppm/°C range

Power supply:
Input: 4.75V to 5.25V
Supply current: 40mA @ Iout=0; 75mA @ Iout=10mA; 110mA @ Iout=20mA
Output: 4.75V do 5.25V

Protection:
Isolation voltage: 2KV
Maximal input voltage: ±50V