



Qeed

QUALITY ELECTRONIC DESIGN

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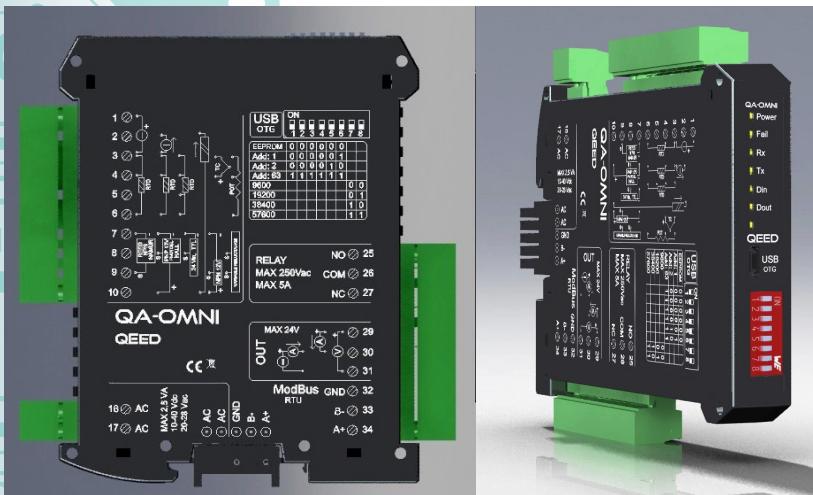
UNIVERSAL SIGNAL CONVERTER 4 way isolated - RS485 MODBUS- Datalogger

QA-OMNI



Advanced UNIVERSAL SIGNAL CONVERTER, USB configurable, DIN rail mounting, 4-ways galvanically isolated, universal power supply AC/DC, Programmable alarm contact, RS485 Modbus.

DATACONVERTER via USB with pen drive stick memory and download storage data on excel importable files. RTC Real Time Clock integrated. CURRENT, VOLTAGE, FREQUENCY, POTENTIOMETER, TEMPERATURE (RTD e TC all types).

**INPUT****VOLTAGE:**

Up to 10 Vdc programmable, input impedance 100KOhm, 1mV resolution.

CURRENT:

Up to 20 mA programmable, input impedance 20 Ohm, max resolution 2µA.

TEMPERATURE:

RTD : Pt100, Pt500, Pt1000, Ni100. 2,3 or 4 wire measure, automatic detection of cable interruption.

TC Type : J, K, R, S, T, B, E, N; automatic detection of cable interruption (-10mV to 70mV).

POTENTIOMETER:

From 1000 Ohm to 10KOhm.

FREQUENCY:

From 0,001 Hz to 9,99KHz, mechanical contact, npn 2 and 3 wires, pnp 3 wires with supply of 24 Vdc, namur, photoelectric, Hall sensor, variable reluctance, pulse 24 V, TTL.

OUTPUT**CURRENT:**

0...20mA programmable, max load resistance 600ohm.

VOLTAGE:

0...10V programmable, min load resistance 2kohm.

CONTACT ALARM:

5A 230Vac SPDT relay fully programmable by FACILE QA-OMNI.

RS485 MODBUS:

Bus connection on the base of module by adapter (option) or on terminals. Dip-switch for setting address and baudrate.

POWER SUPPLY	10..40 Vdc, 19-28 Vac, 50-60 Hz
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RETRANSMISSION OUTPUT	On isolated analog output, Voltage and Current (impressed), programmable; Active or Passive supply output.
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ABSORPTION	Maximum 2 VA
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PROTECTION INDEX	IP20
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ACCURACY	0,1% F.S.
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RISOLUTION	16 bit (15 + sign for TC)
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REJECTION	50- 60 Hz
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THERMAL STABILITY AT 25°C	<100ppm
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WORKING TEMPERATURE	-10...+65°C
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STORAGE TEMPERATURE	-40°C... +85°C
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ISOLATION	Input, analog and digital output, serial output RS485 and USB port, Power supply, are 4-ways galvanically isolated at 1,5kV.
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HUMIDITY	10...90% not condensing
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ALTITUDE	Up to 2000 m s.l.m.
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MOUNTING	DIN rail mounting with removable terminals, RS485 bus and Supply connection ready on the base of module (connector not included, on request).
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CONNECTIONS	Removable terminals 5,08mm
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CE STANDARDS	
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EN61000-6-4/2006 + A1 2011;

EN64000-6-2/2005 ; EN61010-1/2010

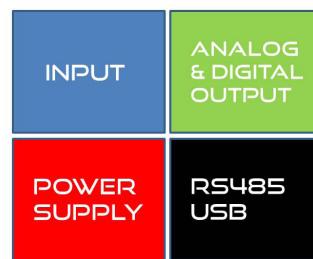
DIMENSIONS	17,5x 100x 112 mm (terminals excluded)
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DATA LOGGER

Non-volatile memory to totalizing pulse. Log on USB OnTheGo port by Pen Drive stick memory. The software FACILE QA-OMNI (free of charge) allow you to configure Log, all conversion parameters, set contact alarm, set Modbus address.

CONFIGURATION

By free software FACILE QA-OMNI to configure all of the conversion parameters like span, zero, alarm contact and log via USB port or via RS485. Dip-switch for setting modbus address and baudrate.

4-WAY GALVANIC ISOLATION

QA-OMNI

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