



- Real-time data logging
- Built-in web server for remote access
- Three front face led indicators
- RS232, RS485 ports for connection with serial sensors
- 3G/4G modem communication, Wireless Router, Ethernet
- Alarm notifications via E-mail or SMS Messages

Technical Specifications:

Parameter	Specifications
Type	Micro-controller Bases
Universal Input channel	At least eight analogues, two impulse & one serial inputs
Input range	-300mV to +300mV, 0/4 to 20mV, 0-5V
Serial Ports	2× RS-232 + 1× RS-232/RS-485
Ethernet	1× 10/100 Base-TX (isolated)
Output channel	Output channel " Solid - State (V Out = V In)
Display	LCD 80 characters
Memory	Memory is 8 GB or more
Power Supply	220VAC/24V AC, 50W power supply. Operated voltage: 12V DC, 24V AC or solar panel
Power Consumption	0.03 W during stand-by and measurements; 2.4 W with active communication.
Data transmission port	Modem: External 3G/4G modem (connection to RS232 port) Router: 3G/4G router (connection to Ethernet port) Wi-fi: External antenna connected to USB port
Operating Temperature	At least -10 to +60 °C
Acquisition rate	Programmable from 1 sec to 24 hours independently for each sensor
Data Display format	Instantaneous
EMC	EN61326-1 2013, EMC CEI EN 61010-1 2013
Protective case	Weatherproof case IP65
Actuation output	Complete with actuators for alarm and external device commands. SPD external relay (2A, 250V)
Statistical Calculation capability	Each parameter programmable up to 5 statistical elaboration mode
Acquisition rate	Programmable from 1 sec to 24 hours independently for each sensor
Solar charger controller	Internal MPPT (Maximum Power Point Tracking) synchronous buck battery charge controller for solar panel (17...28 V). Controller recharge max current: 5 A Recharge voltage: 13.8 V
USB	1× Host (Type A), 1× Device (Type B)

Isolation from Ethernet network to operator interface	1500 Vrms
Battery	Lithium coin cell. Typical lifetime of 5 years, nominal
Storage Temperature	-20°C to 70°C
External Battery	Inside the IP66 enclosure
Output channel	Output channel " Solid - State (V Out = V In)
Electric protection	" transzorb" on inputs. Filters, gas discharges, Zener diodes, varistor for over voltage protection on power supply