



DATALOGGER TS 2631

The dataloggers of Line 2631 are measurement and data acquisition systems for industrial, meteorological or environmental sensors. Its transmission through a cell phone equipment, by radio or satellite, makes it very versatile and applicable to remote telemetric stations. Through a tablet or P.C., acquired data is accessed easily and reliably. It has standardized analog and digital inputs, which allows direct connection of sensors, both industrial and meteorological and environmental. Its 12 V power supply and low consumption make it suitable for autonomous operation with batteries and solar panels.

COMUNICATIONS

The Acquisition Unit has multiple communication ports: RS232, USB, RS485, SDI12, (RS422 Optional). These communication ports allow the equipment to easily communicate with Laptops, Satellite communication modems, cell phone, Radio modems etc.

OPERATIONAL PROGRAMS

The unit has statistical calculation programs on the input variables, such as maximums, minimums and averages. Data and calculated values are validated and processed with High and Low thresholds and Ascending and Descending slopes. The standard modes of operation are:

- Autonomous
- Periodic
- By interrogation
- For events

Optionally, operation program appropriate to each specific need, requested by the user, can be provided.

SPECIFICATIONS*

CPU:	<i>Low power processor, 32-bit CMOS technology.</i>
Data storage memory:	<i>16 MB FLASH, not volatile</i>
Data register:	<i>FIFO, 30.000 data per channel</i>
Real time clock:	<i>Accuracy ± 2 min / month: synchronizable</i>
Communication Ports:	<i>USB, RS232, RS485, SDI12, Ethernet (RS422 Optional)</i>
Analog inputs:	<i>16 common mode / 8 differentials + 1 for battery voltage measurement</i>
AD Converter:	<i>16 bit resolution</i>
Input levels:	<i>0 – 4 V or 4 – 20 mA</i>
Accuracy:	<i>± 0,04% de FS (0 to 40 °C)</i>
Protections:	<i>In all - in out, by gas discharge tube protectors, inductor and semiconductor</i>

Digital inputs / outputs:	<i>1 port RS 232; RS 485; USB 8 / 16 digital contact inputs 1 Rain Gauge input, with debounce and fault detection. 1 SDI12 Port capable of directional up to 15 sensors</i>
Outputs :	<i>2 for sensor supply 12Vcc-100mA</i>
Power Supply:	<i>9-16 Vcc</i>
Range of operation:	<i>-40 °C to + 60 °C - Standard (In environments without condensation)</i>
Enclosure:	<i>Metallic with treatment 233 x 186 x 80 mm</i>



FEATURED FEATURES

- Non-volatile memory
- Modular and compact
- configuration and programming update of the firmware by USB port
- Transmission via cell phone / radio / satellite
- Large coverage
- Protected inputs / outputs

**Other specifications and ranges available upon request.*