

## OUTSTANDING CHARACTERISTICS

- Data Storage in non-volatile memory
- Compact and modular design
- Programmed and Controlled through port RS 232
- Telecommunication options include cellular phones / radio / satellite
- Wide coverage



## DESCRIPTION

Tecmes Remote Terminal Unit, incorporates the Retrieval, Processing and Control Unit TS2621-I. It is protected against electric discharges (SPDs). Its rugged construction and weather-proofing makes it very reliable.

The station is used in SCADA systems, gas and oil pipelines, aqueducts; and also for industrial automation.

It can be configured in local and remote form through SCADA.

Its low power consumption and makes it perfect for solar panels and batteries use.

## COMMUNICATIONS

The Unit TS2621-I, offers a full range of telecommunication options that allow interrogation from a remote computer. Combinations of on-site and telecommunications can be used in the same application for maximum flexibility, convenience, and reliability.

Space is provided for optional wireless telemetry equipment such as a PSTN or GSM modem, radio modem or satellite transmitter such as Orbcomm or Inmersat, telephone or cellular phones, etc.

Communication Serial Port Protocol is Modbus RTU.

## DATA ANALYSIS SOFTWARE

The unit uses mathematical programs that calculate using data from input parameters: Maximum and minimum thresholds of acquired data, averages, etc.

Data are validated with high or low levels and up and down slope. The set up parameter for slope and levels, registration period can be set independently in each sensor.

Additionally events of anomalous can be recorded.

Adicionalmente posee registro espontáneo de eventos ante situaciones de anomalía.

Specific Software is available upon customer needs.

## TECHNICAL SPECIFICATIONS

<b>CPU:</b>	2 Microcontrollers CMOS 8 bits.
<b>Memory:</b>	32 kb each microcontroller.
<b>Data Storing Memory:</b>	2 / 4 Mb Flash 10.000 entries per channel in circular rows
<b>Real Time clock: with watch dog</b>	Accuracy 1 m / month
<b>Serial Ports:</b>	2 RS232 (1200 a 19.200 bds).
<b>Protocol:</b>	Modbus (other available upon request)
<b>Analogical Inputs:</b>	8 regular. Expandable.
<b>Analogical-digital Converter:</b>	16 bits.
<b>Input levels:</b>	0 – 4 V ó 4 – 20 mA.
<b>Accuracy:</b>	+/- 0,02%
<b>Resolution:</b>	1 in 64.000.
<b>Digital Inputs:</b>	8 regular (Expandable). Dry Contact
<b>Digital Outputs:</b>	8, a transistor – open collector.
<b>Auxiliary Outputs:</b>	1 reference ( 4,00 Vcc). 12 Vdc direct 12 Vdc for sensors
<b>Connection:</b>	Plug in terminal Protected against electric discharges
<b>Power:</b>	12 Vcc @ 60 mA average
<b>Operational Range:</b>	-20 to + 60 °C
<b>Cabinet:</b>	Metal with anti corrosive treatment 300 x 150 x 180 mm.

## OPTIONALS AND ACCESSORIES

UC 305:	Battery 38 A/h
UC 254:	Solar Panel regulator
UC 281:	Power / battery charger 220 Vcc to 12 Vcc
AS 4600:	Expandable unit with 8 analogical and digital inputs
AS 407:	Harsh environment resistant Cabinet

Request for other specification

Made in Argentina