

IN ONE INSTRUMENT MULTIPLE POSSIBILITIES

MAIN FEATURES

- It can operate as Indicator, Controller or Datalogger
- Keyboard Display in Hi Definition Liquid Crystal (LCD)
- Great diversity in input and output options
- Easy Programming
- Size 1/4 DIN

DESCRIPTION

The Industrial Indicator Tecmes TS2002DL, primarily visualizes and registers process variables. It can be applied to production automation processes that require local indication and control of involved variables.

It features an integral 8-line, 128 x 64 pixel graphic display (LCD) where 2 variables can be visualized simultaneously together with its main attributes such as Identification and Current State.

The front panel is built in polycarbonate and has 4 keys (bubble type) that provide access to operation and programming menus.

Allows up to 4 analog inputs for standard ranges and 1 analog input for high frequency pulses.

Two dry contact outputs can be used for output control and to sense the status of external devices.

Another electrical output incorporated is a 4-20 mA type and through it the value of one of the 4 analog input can be repeated.

It can transmit signals through distances to other indicator or data acquisition equipment.



TS2002DL features a communication serial port RS232 standard for PC connection for data reading and system configuration. RS485 port is available as an optional for connection with distance PC or for multidrop networks in a control system.

TS2002DL storage modules reliably store data and datalogger programs through a Non-Volatile Flash Memory and a Real Time Clock with a Back up Battery for date and hour maintenance in case of absence of main source of power.

The stored data is available for local visualization through the display or for download later in a PC as text files for import to graphic and process application programs.

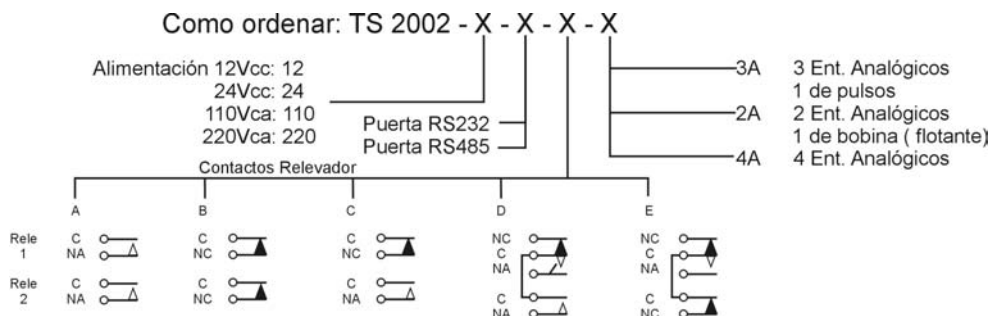
SPECIFICATIONS

Based on Microcontroller: CMOS, RISC built	
Graphic Display in Liquid Cristal (LCD)	128 x 64 pixels graphic design with contrast control and backlight on/off keyboard control
Front Panel	Built in polycarbonate for industrial environments
Analog Inputs	Four, 0-5Vdc (i.e.: low level power consumption sensors), 4-20 mA (i.e.: pressure or temperature transmissors), or high frequency pulse (i.e.: wind velocity sensors etc).
Outputs:	1 analog output for control link
Analog / Digital Conversor:	10 bits standard mode expandable to 16 bits Multipliers and offset parameters allow conversion of linear signals into engineering units. Input setting from the keyboard
Memory:	Non volatile Flash Memory 1Mbit (128Kbytes) for data storage (8192 data points by channel).
Clock:	Real Time
Serial Port:	RS232, with standard protocol "Modbus" for data retrieval and equipment setting. As an option the serial port can also respond to RS485 standar
Dimensions:	Front: 100 x 100 mm.; Depth: 136 mm.; Height: 92 x 92 mm (+ 0,8 – 0,0)

PARTS AND ACCESORIES:

TP 810: Reading and Setting Program
AS 4322: Conductivity sensor Input
AS 4316: Temperature Input

AS 4320: pH sensor Input
AS 4324: LVDT (SD3 sensor) Input
AS 4314: PT 100 Input



OTHER SPECIFICATIONS AND RANGES
AVAILABLE

MADE IN ARGENTINA

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