

# Profibus



**50 mm high digits. Industrial environment  
Readable from up to 25m  
1 or 2 displaying sides.**

## Characteristics

Message display designed to be used in industrial environment.

Real time clock: Seconds / Minutes / Hours / Days / Month / Year. It is adjustable by two push buttons. The clock is NiMH battery backup, which lasts approximately one month.

Profibus DP automatic baud rate detection.

GSD file provided.

Option: Relative humidity and temperature sensor.

## Applications

Display of any message from a PLC, production rates, alphanumeric readouts, maximum 16 variables per line.

Display of messages from internal memory or from the Profibus network.

## Message edition

### Editing and saving messages on the display.

Messages are edited by PC with the TDL software. Applications in which the display receive the complete message by the Ethernet serial line you may store only de message 0, because message 0 is used at the display start up.

### Recording messages.

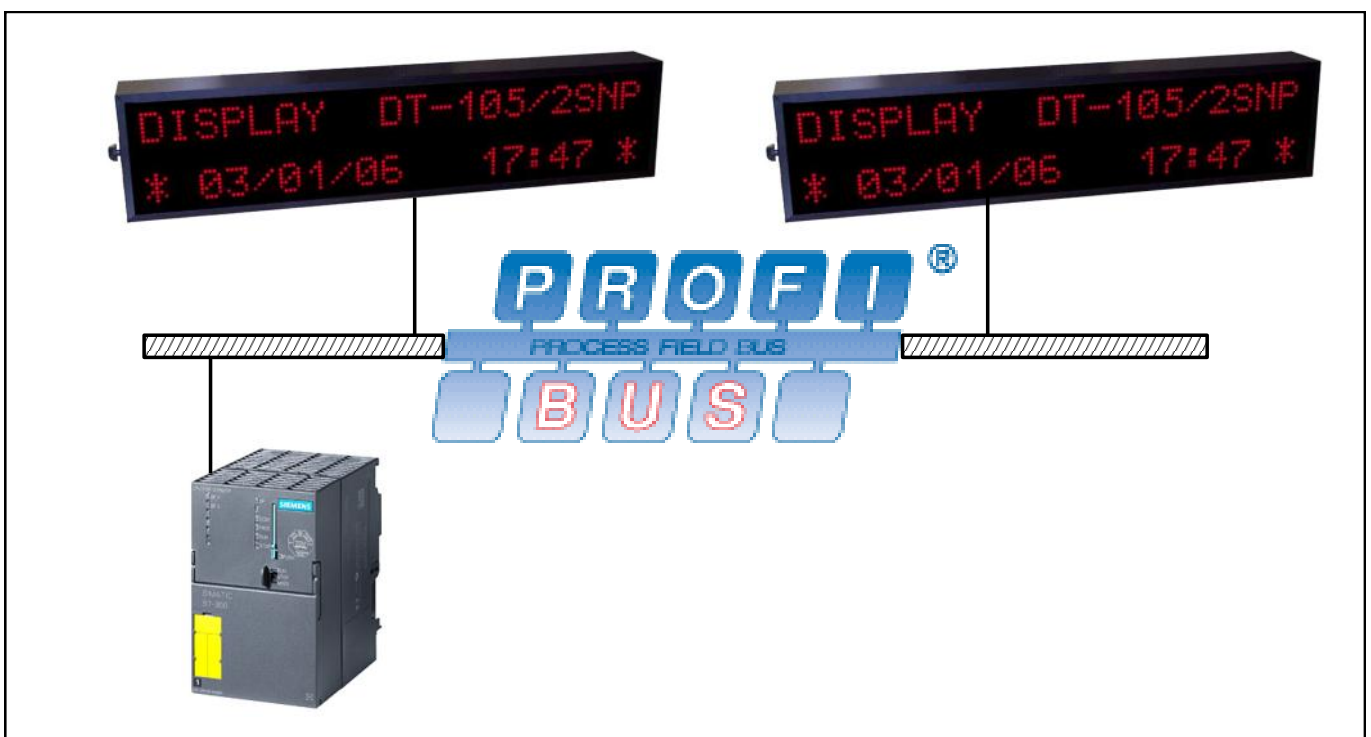
Messages edited by PC are sent to display by RS-232 serial line and the remain saved in a Eeprom memory. Batteries are not needed for message maintenance.

## Working order

The DT-NE may be controlled in two ways: Sending by the Profibus line the complete message or only the message number.

Before to transmit the first block you must check the display parameters: Address and Protocol.

## Example



## General characteristics

Number of sides	1 o 2					
Number of lines	1 to 8 lines					
Character/line	6, 13, 20, 26, 33 or 40 characters					
Display matrix	LED, 5 x 7 dot matrix					
Character height	50mm					
Reading distance	25 meters					
Maximum environmental lighting	DT-105 = 1000 lux.					
	DT-105h = Outdoor					
Power supply	88 to 264 VAC 47 to 63Hz					
	Dimensions (mm)					
	6 characters	13 characters	20 characters	26 characters	33 characters	40 characters
1 line	375 x 122 x 120	680 x 122 x 120	985 x 122 x 120	1290 x 122 x 120	1595 x 122 x 120	1900 x 122 x 120
2 lines	375 x 230 x 120	680 x 230 x 120	985 x 230 x 120	1290 x 230 x 120	1595 x 230 x 120	1900 x 230 x 120
3 lines	375 x 338 x 120	680 x 338 x 120	985 x 338 x 120	1290 x 338 x 120	1595 x 338 x 120	1900 x 338 x 120
4 lines	375 x 446 x 120	680 x 446 x 120	985 x 446 x 120	1290 x 446 x 120	1595 x 446 x 120	1900 x 446 x 120
5 lines	375 x 554 x 120	680 x 554 x 120	985 x 554 x 120	1290 x 554 x 120	1595 x 554 x 120	1900 x 554 x 120
6 lines	375 x 662 x 120	680 x 662 x 120	985 x 662 x 120	1290 x 662 x 120	1595 x 662 x 120	1900 x 662 x 120
7 lines	375 x 770 x 120	680 x 770 x 120	985 x 770 x 120	1290 x 770 x 120	1595 x 770 x 120	1900 x 770 x 120
8 lines	375 x 878 x 120	680 x 878 x 120	985 x 878 x 120	1290 x 878 x 120	1595 x 878 x 120	1900 x 878 x 120
Protection degree	DT-105 = IP41					
	DT-105e = IP65					
	DT-105f = IP54					
Max. number of messages	512 messages					
Max. Length of the message	160 characters					
Messages memory	EEPROM 32kB					
Case/display	Aluminium section in black. Display in extruded antireflex methacrilate					
Humidity + temperature accuracy	Temperature $\pm 0,5^{\circ}\text{C}$ at $25^{\circ}\text{C}$ . Humidity $\pm 3,5\%$ between 30% and 70%.					
Operation temperature	From $-20^{\circ}\text{C}$ to $60^{\circ}\text{C}$					
Stock temperature	From $-30^{\circ}\text{C}$ to $70^{\circ}\text{C}$					

## Reference composition

