

DP-302 DIGITAL SERIAL BUS DISPLAY

The DP-302 panel meter is a display unit intended for transferring bit mode measurements and control messages in industrial process control applications.

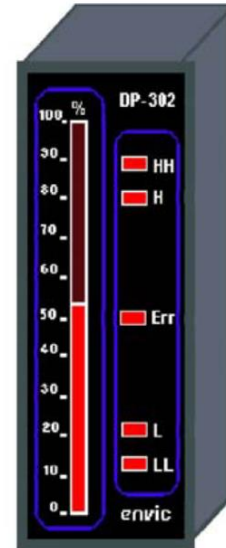
In addition to the column display, the meter has 4 alarm indicator lights with the possible use of a buzzer. Transmitter also checks its own/line operation and shows the "Err" warning light if there is an indication of operation disturbance.

With the RS-485 serial communications input the meter can communicate with up to 31 other units. Each DP-302 has its own address which the user can freely select using the DIP switch on the rear of the unit.

The maximum length of the serial bus is 1 km.

Using additional amplifiers this length can be increased as well as the number of units. The RS-485 serial bus connection is electrically isolated from the power supply. The effect of electrical disturbances on communication is minimized.

The DP-302 column display is built into a narrow 48 x 144mm DIN-standard enclosure which allows panel mounting. The power supply for the meter is 24 VDC.



TECHNICAL DETAILS

Input	RS-485 serial bus
Dataform	1 start-, 8 data- ja 1 stop -bit. No paritet.
Transfer speed	1200-19200 Baud
Selection of the address	Selection with DIP-buttons, in between 01-31
Fault control	Err - light will turn on when there is fault activities
Alarm functioning	Flash and even-lights in the front panel, LED lights, possibility to use internal buzzer
Display	LED-bus display (red) with 50 pieces, ability to separate 0-100 % (in the level 2 %)
Transfer distance	Max. 1 km with RS-485 serial bus, 15 m with RS-232C interface
Operating temperature	0...50 °C
Supply voltage	24 VDC +/-10 %

INTERFACE

