

DP-20 2 wire current loop display

The DP-20 panel meter is a small display unit which is connected directly in a current loop to the 4-20 mA output coming from a measurement transmitter, it is intended for the measurement of temperature, pressure, humidity, surface height, flow etc. and other analogue units

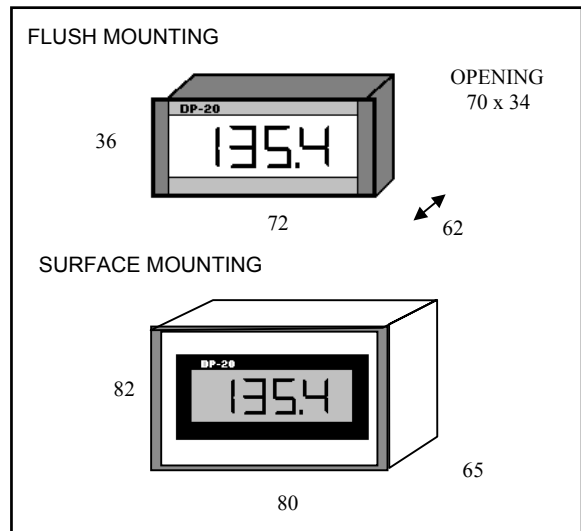
The DP-20 takes the voltage it requires from the measurement current loop. Standard on the meter are zero and span trimmer potentiometers which can be used to set the required display scaling from -1999...+1999. The decimals shown in the display can be selected from 0-3 with a short circuit piece.

Construction alternatives are the small size panel mounting case or plastic surface mounting case suitable for field applications. As a local display the meter may for example be placed between the sensor enclosure and cable input so that it functions as a fixed unit with a fixed sensor.

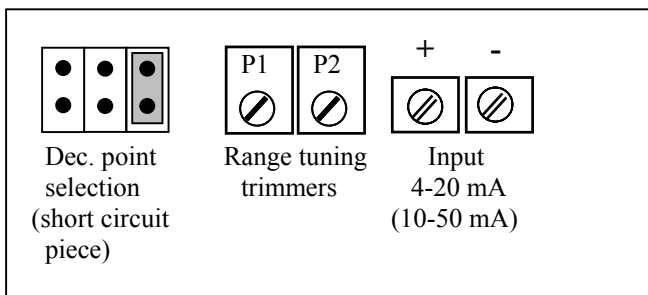
TECHNICAL INFORMATION

Display:	3 ½ digit 7-segment LCD display character height 8.9 mm
Inputs:	1) 4-20 mA current input 2) 10-50 mA current output
Meas. speed	2.5 readings/s
Over ranging:	Dark display
Polarity:	Automatic
Range tuning	zero -1999...+1999 range 0...3999
Decimal point:	Short circuit piece (0-3)
Precision	0,1% of range ±1 number
Oper. Temp.:	0...+85 °C, dependence < 50 ppm/°C
Power supply:	From current loop, volts drop < 2,7 V

CONSTRUCTION



CONNECTIONS



ORDERING INFORMATION

DP-20/420	Current loop display 4-20 mA flush mounting
DP-20B/420	Current loop display 4-20 mA surface mounting

OPERATION PRINCIPLE

