

SWP-457

- 57 mm LED display
- indicator in tight, wall mounting case
- input 0/4-20 mA
- power supply output 24V DC
- RS-485 / Modbus RTU

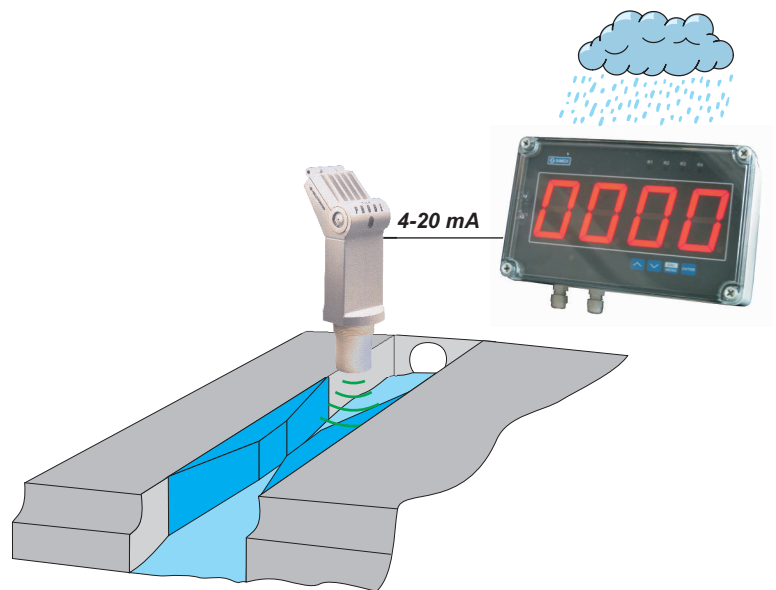


The **SWP-457** digital indicator is equipped with one measurement input with user selected range 0-20 mA or 4-20 mA and a standard resistor protection circuit. Users have the possibility of an 8-step adjustment of display brightness. Additionally the **SWP-457** allows user to select a conversion characteristic of several kinds: linear, square, square root and user defined - max. 20 points length. The device features a 4-button keyboard for programming basic settings, which for greater security is located under the front cover. In order to make setting changes without unsealing the casing, remote control can be included by means of an (optional) infrared remote control unit. The keyboard on this remote control unit is the same as the device's keyboard (this applies to the type IP67 casing).

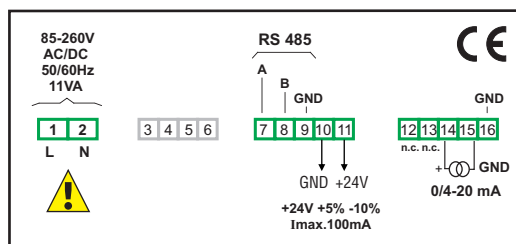
- password protected,
- signal peak value detection,
- display brightness adjustable in 8 steps,
- transmission speed adjustable: 1200 ÷ 115200 bit/sek.,
- available with AC and DC power supply versions,
- two types of case: IP65 and IP 67.

Typical applications

Measuring of liquid flow in open channel using ultrasonic level measuring device.



Exemplary pin assignment



Technical data

Power supply: 19V ÷ 50V DC; 16V ÷ 35V AC or 85 ÷ 260V AC/DC
Power consumption: for 85 ÷ 260V AC/DC and 16V ÷ 35V AC power supply: max. 11 VA; 19V ÷ 50V DC power supply: max. 8 W
Display: LED, red, 4 x 57 mm, with 8-step adjustment of brightness
Input: current 0-20 mA or 4-20 mA, programmable, overload-protected, input current limited to about 40 mA
Measuring range: -999 - 9999 + decimal point
Accuracy: ± 0,25% ± one digit in the entire operation range
Communication interface: RS-485 / Modbus RTU, not insulated galvanically
Transmission speed: adjustable in range from 1200 to 115200 bit/sek.
Transmission parameters: 8/1/N
Transducer power supply output: 24V DC +5% -10% / max.100 mA, stabilized, not insulated from measuring inputs
Operating temperature: 0°C ÷ +50°C
Storage temperature: -10°C ÷ +70°C
Protection class: IP 65 (standard); IP 67 (option)
Case: wall-mounted
Case material: ABS + glass fibre
Case dimensions: IP65 type case: 215 x 185 x 115 mm
 IP67 type case: 230 x 140 x 96,5 mm

Ordering

SWP-457-1100-1-X-XX1

options:
 00 : no options
 01 : IP65 (standard)
 09 : IP67

power supply:
 3 : 24V AC/DC
 4 : 85V - 260V AC/DC