Datasheet

RS PRO Digital Panel Meter Process Monitor

Stock number: 188-3472

PASSIVE LOOP DISPLAY 4...20 mA

- 4-digit programmable projection
- Input: 4...20 mA
- Size of DIN 51,5 x 29,5 mm
- Power supply from the loop

RS 188-3472 is a 4-digit pasive analog loop display 4...20 mA. The instrument is based on a microcontroller with a very low power consumption and an A/D converter, which ensures good accuracy and easy operation of the instrument.

The 22 mm cross-section of the circular instrument body allows its convenient mounting into mosaic and signaling panels.

OPERATION

The instrument is set and controlled by two buttons located on its the body.

Standard equipment is the OM Link USB interface, which, when using the control program, allows you to edit and archive all device settings and to update firmware.

All settings are stored in FLASH memory (they hold even after the power is turned off).

STANDARD FUNCTIONS

PROGRAMMABLE PROJECTION

Setting: manual, optional projection on the display may be set in menu for both limit values of the input signal, e.g. input 4...20mA > 0...250,0
Projection: -999...9999

INPUT

Number of inputs	1
PAS Range	fixed 4...20 mA < 5,5 V

PROJECTION

Display: -999...9999, single color LED, 7-segment
Digit height: 14 mm
Display color: red
Decimal point: adjustable - in menu
Brightness: fixed

INSTRUMENT ACCURACY

TK: 50 ppm/°C
Accuracy: ±0,15 % of range + 1 digit
(for projection -999...1999)
Rate: 0,1...100 measur./s
Overload capacity: 2x
Watch-dog: reset after 500 ms
Calibration: at 25°C and 40 % r.h.

COMPARATORS

Type: digital, menu adjustable
Hysteresis mode: switching limit, hysteresis band (Lim and ±1/2 Hys.) and time (±99,9 s) determining the switching delay
Output: 2x Power MOSFET, (30 VDC/0,5 A)

POWER SUPPLY

from current loop 4...20 mA, voltage drop < 5,5 V

MECHANIC PROPERTIES

Material: PA66, incombustible UL 94 V-0
Dimensions: 51,5 x 29,5 x 66 mm (w x h x d)
Panel cutout: Ø 22,5 mm

OPERATING CONDITIONS

Connection: connector terminal blocks, section < 1,3 mm²
Stabilization period: within 5 minutes after switch-on
Working temperature: -20°...60°C
Storage temperature: -20°...85°C
Protection: IP65 (front panel only)
El. safety: EN 61010-1, A2
EMC: EN 61326-1

5	High
4	Low
3	GND
2	22R/0,06W
1	Input