Fluid level meter with microprocessor MC-LEVEL

Written by emmeci
Friday, 27 April 2007 23:43 - Last Updated Thursday, 18 September 2014 14:21

The MC-LEVEL probe is a level meter with microprocessor capable of supplying an analogue signal pro

The system is split into two parts: the section with microprocessor control and level probe. The control s

The probe can be sized for the type of container in which the level is to be measured and may be of various shapes (circular, square, etc.) and diameters (from a few millimetres to several centimetres); it may also be made of various materials: metal (stainless steel, aluminium etc.), plastic or even glass, and this means that it can be used in many environments.

The MC-LEVEL meter has 7 outputs:

-    An analogue output 0-10V proportional with the level
-    6 on/off outputs that indicate the following conditions: full alarm and pre-alarm, empty alarm and pre-alarm, level ok and out of scale.

There is also a serial interface RS485 so that the meter can be interfaced with a PC.

The MC-LEVEL sensor has 2 operating modes:

- 5-level indicator (use to manage an indicator with 5 thresholds)
- Tank filler (it manages the tank filling pump without adding external devices with the exception of the contact maker or the inverter that pilots the pump)

TECHNICAL SPECIFICATIONS

DIMENSIONS (height x width x depth)	48 x 96 x 135 mm .
FIXTURE	On panel

CASE SPECIFICATIONS	Made of Noryl, rabbeted and blocked with screws
PANEL SPECIFICATIONS	Made of plexiglass with screen printed non-scratch
CONNECTIONS	Extractable screw-on terminals for cable max 1.5 mm
POWER SUPPLY	

- 12-28 Vcc (version MC-LEVEL/24)
- 9 Vcc (version MC-LEVEL/9)

Fluid level meter with microprocessor MC-LEVEL

Written by emmeci
Friday, 27 April 2007 23:43 - Last Updated Thursday, 18 September 2014 14:21

INPUT CURRENT
- 100 mA max. @ 24 Vcc (MC-LEVEL/24)
- 80 mA max. @ 9 Vcc (MC-LEVEL/9)

TYPE OF DISPLAY

LED display 2 digits / 7 segments

6 led (2 red, 2 green, 2 yellow)

TYPE OF SSR ALARMS OUTPUT
PNP logic

SPECIFICATIONS OF THE ALARM OUTPUTS

- Maximum current: 100 mA
- Output voltage:> Power supply -2.5 V

ANALOG OUTPUT
Analog voltage with 8 bit resolution
- 0-10V (version MC-LEVEL/24)
- 0-5V (version MC-LEVEL/9)

Related arguments:

[Capacitive level sensor for high temperature LEVEL-CAP](#)

[Capacitive level sensor for high temperature LEVEL-CAP](#)