pH probe M 1122

- on-line pH measurement
- PI regulation option
- Communication output (SELECAN) or galvanically separated current output
- easy assembling and management
- IP 65 housing

GENERAL

pH measurement is used in chemical industry, in swimming-pools, potable and waste water treatment and also in different kinds of industrial measurements.

Controlmatik probe M 1122 is designed for continuous measurement of pH in swimming-pools, potable, waste and industrial waters. With special versions of measuring electrodes it can also be used for measurement of other media.

The unit consists of :

- pH measuring electrode
- Controller with graphic display

Electronics evaluates and amplifies the measured potential. PI regulator for independent control of a certain process can be build in a probe. The probe can upgraded with manual or automatic temperature compensation (depends on customer request) and with galvanic separated 4–20 mA signal on the amplifiers output. The user can easily communicate with a probe over graphic display and four function keys.

The probe guarantees accurate and continuous measurement.

ORDER CODE

M 1122 _ D C R _

Model
Temperature compensation
CAN Communication output
Measuring output options (4-20mA)
Regulator
Measuring range

OPTIONS:
- **Temperature compensation:** **''A''** for automatic
  ''M'' for manual
- **CAN communication**: yes ''**D**'', without it the letter is not written in
- **Current output sensor**: default
- **Regulator:** yes **''R''**, without it the letter is not written in
- **Measuring range**: ''**1**'' for 0 to 14 pH
  ''**2**''- on request

TECHNICAL DATA

General data :

Ambient temperature:	-10...+50ºC
Relative humidity:	10...95 % non-condensating
Control unit protection:	IP 65
Dimensions:	98 x 64 x 38
Weight:	0,2 kg

pH measurement

Max. Measuring range (MR):	from 0,00 to +14,00 pH
Measured value resolution:	0,01 pH
Deviation of indication, measured value:	maximum 0,5% of M.R.
Zero point shift range:	from 0,00 to +14,00 pH
Automatic temperature compensation range:	0...+100ºC
pH input signal:	
- Input resistance at nominal operating conditions	> 1000 MOhm
- Current input at nominal operating conditions	< 1 pA

Electrical data :

Power supply:	9 - 36 VDC,12 - 24 VAC±10%
Power:	2 W
Current output connector:	
Modules:	2 (galvanic separated)
Isolation voltage:	500V
Current range:	4...20 mA
Power supply:	9...26 VDC
Output range:	adjustable to (MR)
Output Mode options:	- pH signal output - Temperature - Regulator output
Regulator connector:	
Regulator	3 point switch or PI regulator
Outputs:	3 x 24 VAC / 250 mA
Inputs:	3 x 24 VAC
Mode options:	- Motor Control - Pump Control

MEASURE DRAWINGS