



# REDOX PROBE

## Series *M 1322*

- ⇒ **ON-LINE REDOX MEASUREMENT**
- ⇒ **PI REGULATION OPTION**
- ⇒ **COMMUNICATION OUTPUT (SELECAN) OR GALVANICALLY SEPARATED CURRENT OUTPUT**
- ⇒ **EASY ASSEMBLING AND MANAGEMENT**
- ⇒ **IP 65 HOUSING**

### GENERAL

Redox 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 1322 is designed for continuous measurement of Redox 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 :

- Redox measuring electrode
- Controller with graphic display.

Electronics evaluates and amplifies the measured potential. PI regulator that independently controls a certain process, can be build in a probe. The probe can be equipped with the 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 1322 M D C R**

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

**OPTIONS:**

- **Temperature compensation:** yes "M" , without it the letter is not written in
- **Current output Redox signal:** yes "C", without it the letter is not written in
- **Regulator:** yes "R", without it the letter is not written in
- **Measuring range:** "1" for -2000...+2000 mV  
"2"- on request

TECHNICAL DATA



**General data :**

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

**Redox measurement**

Max. Measuring range (MR):	from -2000 to +2000 mV
Measured value resolution:	1 mV
Deviation of indication, measured value:	maximum 0,2% of M.R.

Redox 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:	- Redox signal output - 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

