

CONCENTRATION-METER BAMOTETRA & BAMOTROL



BAMOTETRA



BAMOTROL

- 4 electrodes system.
- Associated probes: see page 345.
- For concentration measure.
- Acid and base to 20% (scale: 0 - 20 mS).
- LCD display
- PVC - PPH - PVDF - SS316L realization.
- Automatic temperature compensation
- 0-4 / 20 mA output.
- 2 Adjustable relays
- Housing types: Enclosure box (DIN 72 X 144),
removable screw terminal.
: Wall mounting,
Integrated screw terminal.

DESCRIPTION

4 electrodes measuring systems are designed for acid or base concentration measure, this technology avoids polarisation phenomenon.
2 positions push button in front panel allows to verify alarm set value. 2 potentiometers, just below the button, allow alarm adjustment.

PRINCIPLE

A constant alternative current is forwarded between two opposite electrodes. The signal (on tension form), collected by 2 central electrodes, will be proportional to the real conductivity variation.

TECHNICAL DATA

Power supply : 220 V / 50 Hz (Others on request) 10 VA
 Display : 3 1/2 digit, LCD - 13 mm high
 Relays : Volt free change over contact - Rated 500 VA / 1 A / 220 V
 Only one volt free change over contact for BAMOTROL
 Temperature : Automatic compensation
 Displayed value brought back to 20°C (25°C on request)
 Scales : 0 to 20% (see left side table)
 Output : 0 - 4 / 20 mA selectable (maxi 600 ohm)

CODES AND REFERENCES

Code	Reference	Designation.
341 215	BAMOTETRA 942 EL CT	Enclosure box 72 x 144
341 415	BAMOTETRA 942 ML CT	IP 55 Wall mounting
349 115	BAMOTROL 949 M/CT/CP	Wall mounting with counter
349 215	BAMOTROL 949 M/CT	Wall mounting without counter
368 108	C8B 50 meters. max.	Special connection cable
111 950	CV 72 IP 55	Transparent cover, locking by key

BAMOTROL series is specially designed for automatic devolve setting (or concentration setting) between 2 adjustable point on cooling down towers. Only one volt free change over contact.
One version with time counter (operating relay time) is available.

MEASURING RANGE

0-15 %	Nitric acid	(HNO ₃)
0-20 %	Caustic potash	(KOH)
0-20 %	Potassium chloride	(KCl)
0-20 %	Sulphuric acid	(H ₂ SO ₄)
0-10 %	Hydrochloric acid	(HCl)
0-10 %	Caustic soda	(NaOH)
0-26 %	Sodium chloride	(NaCl)

BAMO MESURES

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