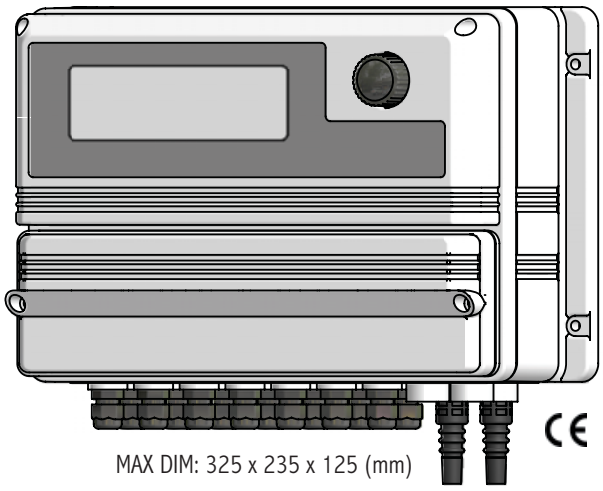
# "MAX5" CONTROL INSTRUMENT

Data Sheet



MAX DIM: 325 x 235 x 125 (mm)

The MAX5 is a multiple digital controlling system. It reads and controls up to 5 channels that can be programmed to control:
pH - ORP - Chlorine - Turbidity - Temperature.

It features 6 setpoint outputs, 6 proportional pump outputs, 6 mA outputs,1 cleaning probe output and 5 level tank inputs. Three way setpoint outputs program mode: on/off - PID - PWM.

MAX5 can be connected to a PC for remote controlling / programming using a standard USB port or RS485 connection.

All information are provided through a widescreen LCD display (240x64). Using a revolutionary wheel control the instrument can be easily programmed.

## FEATURES

- LCD Backlight Wide Display
- Simultaneously 5 parameters display with status of each channel
- 6 Setpoint outputs
- 6 Proportional pump outputs
- 1 Cleaning probe output
- 5 level tank inputs
- Minimum / Maximum reading alarm
- Permanent data storage with system log
- Stand-by
- Local & Remote Controlled

## ENCLOSURE

IP65 enclosure (NEMA4x) MAX5 housing is made of ABS to ensure protection against aggressive chemicals and tough environment.

## ENVIRONMENTAL WORKING TEMPERATURE

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0°C ÷40°C (32°F ÷ 104°F)
0÷95% (non condensing) relative umidity

## ELECTRICAL

SIGNAL INPUT
Terminal block / BNC

POWER SUPPLY
115, 230 VAC; 50/60 Hz

POWER CONSUMPTION
Average 12 W

ON/OFF OUTPUT
6, fuse protected

PROPORTIONAL OUTPUT
6, digital signal

ALARM OUTPUT
Free voltage contact relay

CHEMICAL TANK LEVEL INPUT
5, settable

INPUTS
stand-by
flow
level

DATA OUTPUT
1 serial port hardware ( RS485)
1 USB
1 GSM modem (option)

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## UNITS RANGE

pH : from 0 to 14pH

ORP: from 0 to 1000mv

Chlorine: from 0 to 10 mg/l

Turbidity: from 0 to 30 NTU

Temperature: from 0 to 200 °C


## PROBES MODULES


**MDCL-1**

Module suitable for:

ECL1
ECL2
ECL3
ECL8
ECL9
ECL10
ECL11
ECL13
ECL17
ECL18

Connect probe as follows:

Block n.1 : Brown(+) wire
Block n.2 : White(-) wire
Block n.3 : Green(IN) wire
Block n.4 : Yellow(GND) wire


**MDCL-6**

Module suitable for:

ECL4
ECL5
ECL6
ECL7

Connect probe as follows:

Block n.1 : Black(-) wire
Block n.2 : Red (+) wire


**MDTORB-40**

Module suitable for:

ETORB/40

Connect probe as follows:

***Transmitter cable (2 wires)***
Block n.1 : Blue(-) wire
Block n.2 : Brown(+) wire

***Receiver cable (3 wires)***
Block n.3 : Black(GND) wire
Block n.4 : White (IN) wire
Block n.5 : Brown (+) wire

## GSM MODEM COMMUNICATION



Probes are not included. Chlorine probes need a constant flow of water in, between 30 and 50 l/h, to work properly. Use PEF probe holders for optimal results.

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