

### FEATURES

- LCD Backlight Wide Display
- Simultaneously 5 parameters display with channels' status
- 6 Setpoint outputs [on/off - PID - PWM]
- 6 Proportional pump outputs
- 6 mA outputs (option)
- 1 Cleaning probe output
- 5 level tank inputs
- 5 timer for flocculant/algicide dosing
- Water meter input for water restore
- Minimum / Maximum reading alarm
- Permanent data storage with system log
- Stand-by
- Self- installing communication software
- Local & Remote Controlled
- SMS Service with optional GSM/GPRS modem
- Email Service \*
- HTTP Remote Service \*

### ELECTRICAL

SIGNAL INPUT  
Terminal block / BNC

POWER SUPPLY  
90-265 VAC; 50/60 Hz

POWER CONSUMPTION  
Average 12 W

ON/OFF OUTPUT  
6, fuse protected

PROPORTIONAL OUTPUT  
6, digital signal

The MAX5 is a multiple digital controller system. It reads and controls up to 5 channels that can be programmed to control: pH - ORP - Chlorine (Free, Total and Combined) - Turbidity - Temperature - Conductivity - Ozone.

It features 6 setpoint outputs, 6 proportional pump outputs, 6 mA outputs (option), 1 cleaning probe output, 5 level tank inputs and 5 timer for flocculant/algicide dosing. Three way setpoint outputs program mode: on/off - PID - PWM.

MAX5 can be connected to a PC for remote controlling / programming using a RS485, USB, WAN\* or LAN\* connection.

MAX5 may remotely send SMS alarm messages using its own modem (where available).

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

### ENCLOSURE

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

MAX DIM: 325 x 235 x 125 (mm)

### ENVIRONMENTAL WORKING TEMPERATURE

-10 °C ÷ 50°C (14 °F ÷ 122°F)

0÷95% (non condensing) relative umidity

\* Sold as option.

Reading Accuracy for all channels 1% (conductivity 3%)

### 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 GPRS modem (option)

# "MAX5" CONTROL INSTRUMENT

## Data Sheet

### UNITS RANGE

pH : from 0 to 14 pH

ORP: from 0 to 1.000 mV

Chlorine: from 0 to 200 mg/l

Turbidity: from 0 to 9.999 NTU

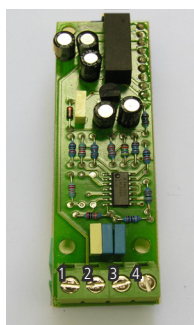
Temperature: from 0 to 200 °C

Conductivity: from 0 to 300,0 mS (0-9999 TDS)

Ozone: from 0 to 1.000 or to 10.0 mg/l O<sub>3</sub>



### PROBES MODULES



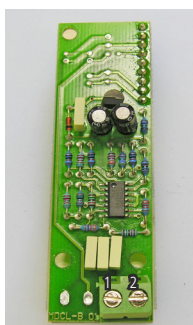
MDCL-1

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



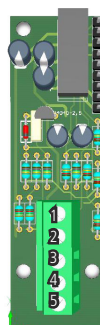
MDCL-6

Module suitable for:

ECL4  
ECL5  
ECL6  
ECL7

Connect probe as follows:

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



MDETORBH

Module suitable for:

ETORBH

Connect probe as follows:

Block n.1 : Green wire  
Block n.2 : Yellow wire  
Block n.3 : Black wire  
Block n.4 : White wire  
Block n.5 : Brown wire



MDCL-3

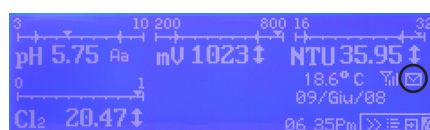
Module suitable for:

ECL12  
ECL14  
ECL16

Connect probe as follows:

Block n.1 : Shield  
Block n.2 : Black (probe)  
Block n.3 : Red (probe)

### 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.