

Product catalogue

MEASUREMENT

CONTROL

DOSING

MICON
WATER CONTROL SYSTEM

Long experience and innovation are the pillars of our company.

Since 1995, we have been designing and producing reliable, cutting-edge instruments for water treatment and chemicals dosing.
Micon has branched out over time into wide-ranging areas:
swimming pools and spa systems, industrial water treatment, potabilization and beverage industry.

We believe that being at the cutting edge is a synonymous of a hard work of research.
We project and realize every single part of our products, we pay constant attention to the quality of our production processes, from the electronic part till the hydraulic, from the idea of a new product to its delivery.

The satisfaction of our customers are the proof that we are doing a great work, their trust is our energy.

Extremely high performance, top quality and high technology are our greatest assets.

Micon blends Italian technology so design and realizes instruments able to simplify the water treatement, because complex operations can be carried out with sophisticated instruments, but also easy to understand and operate.

MADE IN ITALY



INDEX

Controllers

M30 Touch	Pag. 6
M10 Touch	Pag. 7
M05 Touch	Pag. 8
M05 D	Pag. 9
M05 S	Pag. 10
M20 series	Pag. 11
Controllers accessories	Pag. 12

Dosing

PMi	Pag. 15
PMplus	Pag. 16
PMK	Pag. 17
PME	Pag. 18
PMD	Pag. 19
PMP	Pag. 20
PMDP	Pag. 21
Dosing accessories	Pag. 22-23-24

Back plate

Pre-assemblasted solutions	Pag. 25-26

Probes & accessories

Probe	Pag. 28-29
Probe holder	Page 30



Controllers

Micon has a wide range of instruments for all applications with single and multiparametric measures.

We manufacture wide range of controllers from entry level to high end applications.

Every unit is developed in IP65 grade protection box, the SMD technology is used for PCB board.
Intuitive menu and frontal keypad make easy the programming.

Our instruments can work with a wide choise of sensors, that fit to any specific water treatment process.

M30 touch

M30touch instrument are is the flagship Micon controllers. They use a powerful Android-Linux operating system.
The 7' inch touch display gives the very useful interface, shows measures, relays and alarm status. The menu is very intuitive.

Application : swimming pool, water treatment, cooling tower, industrial application



- **Touchscreen display 7"**
- **Up to 6 measures control**
- **5 set-points free contact relays**
- **1 alarm free contact relay**
- **4 analog 4-20mA outputs**
- **Level and proximity probe inputs**
- **Wi-Fi connection**
- **Modbus connection**
- **Datalog file Recorder (1 min. step, everyday, 100 year)**
- **Graphic line chart display for all measures**
- **Smtp support server for email datalog sending**
- **Multi languages support**
- **Help Text during set-point, Calibration and other procedures**
- **Remote sotware upgrade**
- **Mremote App available on Google play and App Store**

Available measure

pH	REDOX
CHLORINE	CONDUCTIVITY
TURBIDITY	OXYGEN DISSOLVED
TEMPERATURE	OTHER ON REQUEST

REMOTE

GET IT ON Google Play

Download on the App Store

TECHNICAL FEATURES

Relay output	5 setpoints fully programmable and 1 alarm output
Analog output	4 fully programmable 4-20mA with - 400 Ω max - with galvanic separation
Water meter	1 water meter input
Level probe	2 level probe inputs
Flow sensor	1 flow probe input

Display	7" inch 800x480 display resolution	**e-Mail**	Support smtp email server for datalog file sending
Keypad	5 point touchscreen	**Data logger**	Up to 10 years File memory storage
Measure	6 independent parameters input	**Power supply**	100...240 Vac
Output	6 set-point relays, 1 alarm relay, 4 analog mA out	**Box**	ABV V0 with IP65 protection degree
Common inputs	1 Flow sensor, 2 level sensors, 1 water meter	**Dimensions**	328 x 236 x 107,5 mm
Connection	- Wi-Fi Single-band 2.4GHz IEEE 802.11b/G - Modbus protocol	**Weight**	1.150 gr

M10 touch

M10 instruments series is multiparametric quality solution for applications that require simultaneous measurement of up to 3 parameters plus temperature.

Application : swimming pool, water treatment, cooling tower, industrial application.





- **Colour TFT 480x320 touch display**
- **Up to 4 measure combination plus temperature**
- **5 setpoint relay outputs**
- **1 Alarm out**
- **4 analog 4-20 mA outputs, with selectable range and galvanic separation**
- **Flow sensor input**
- **2 Level probe inputs**
- **1 timed output relay for maintenance (probes cleaning)**
- **Wifi network connection**
- **Remote control server connection**
- **Android a IOS mobile applications**

3 CHANNEL COMBINATION PLUS TEMPERATURE

pH	REDOX
CHLORINE	CONDUCTIVITY
TURBIDITY	OXYGEN DISSOLVED
TEMPERATURE	OTHER ON REQUEST

M REMOTE

GET IT ON Google Play

Download on the App Store

TECHNICAL FEATURES

Display	TFT colour 480x320 touchscreen display
Setpoint	5 free contact relays 5 A max
Flow sensor	1 flow sensor switch control input.
Level probes	2 level probe sensors input.
Analog output	4x (4-20mA) proportional signal,one for each measure, selectable range with galvanic separation
Alarm	Alarm relay output for all setpoints measure
Temperature	Manual or automatic temperature compensation 0-100 °C
Wifi	Wifi network connections 2.4GHz
Remote control	Remote control server connection, with android and IOS mobile application.
Power supply	100...240 Vac
Box	In ABV V0. IP65 protection degree . Separated terminal board cover .
Dimensions	328 x 236 x 107,5 mm
Weight	1.150 gr

M05 touch

Two channels plus temperature

The M05 Touch is the middle range instrument model, the wide 3.9 inch touch display shows measures and settings and alarms on the main page for immediate user control. The menu page is very intuitive aswell and the menu setting.
All M05 controllers can be remotely operated via WIFI, .

Application : swimming pool, water treatment, cooling tower, industrial application.



- **TFT colour 480x320 touchscreen display**
- **Double measure plus temperature**
- **2 Relay outputs for each measure plus**
- **1 Alarm output**
- **2 Analog 4-20mA output for each measure**
- **2 Levels and 1 fluximeter sensor**
- **Multilanguage menu**
- **Wifi connnection**
- **Android and Apple Ios Application**
- **Server cloud for remote control**

GET IT ON Google Play

Download on the App Store

2 CHANNELS PLUS TEMPERATURE	
pH	REDOX
CHLORINE	CONDUCTIVITY
TURBIDITY	OXYGEN DISSOLVED
TEMPERATURE	OTHER ON REQUEST

M05 touch pH/RX	0-14.00 pH / 0-1999 mV / 0-100.0 °C
M05 touch pH/CL	0-14.00 pH /0-20.00 ppm /0-100.0 °C
M05 touch pH/CD	0-14.00 pH /(more full scales) /0-100.0 °C
M05 touch pH/OXY	0-14.00 pH /0-20.00 mg/l /0-100.0 °C
M05 touch CT	0-14.00 pH / 0-20.00 mS
M05 touch *	Other configurations on request

TECHNICAL FEATURES

Display	TFT colour 480x320 touchscreen display	**Menu**	Multilanguages menu
Accuracy	± 1% E.S.	**Wifi**	2.4 GHz wireless connection
Setpoint	4 setpoint (2 for each measure) programmable with free contact relays (5 A max) Threshold, Hysteresys, Dosing mode, Max dosing time, Proportional mode, Alarm High, Alarm Low	**Server**	Cloud server connection
Alarm	1 alarm output free contact relay	**Remote control**	Android and Ios application
Temperature	Manual or automatic compensation 0-100 °C	**Power supply**	90...230 Vac 50Hz (5W)
Analog mA (output)	2 Adjustable analog 4-20mA Min max with galvanic separation	**Box**	In ABS V0, IP65 protection degree. Separated terminal-board cover
Sensor input	2 Level and 1 fluximeter sensors input switch	**Dimension**	201 x 202 x 106 mm
Probe cleaning	Timed relay output	**Weight**	1150 gr.

M05 D

Two channels plus temperature

The M05D is the middle range instrument model. The instruments M05 family allow easy settings with 4 frontal keypad and 2 more contextual menu keys. The wide display always shows the situation of relays and alarms while showing the measurement happening in real time.

The M05D are always provided with pH priority functionality. All M05 controllers can be remotely operated via WIFI , they can also accommodate a SD card for data storage and downloading.

Application : swimming pool, water treatment, industrial application.



- **TFT colour 320x240 display**
- **Double measure plus temperature**
- **2 Relay outputs for each measure plus**
- **1 Alarm output**
- **2 Analog 4-20mA output for each measure**
- **2 Levels and 1 fluximeter sensor**
- **Multilanguage menu**
- **Wifi connnection**
- **Android and Apple Ios Application**
- **Server cloud for remote control**



REMOTE

GET IT ON Google Play

Download on the App Store

2 CHANNELS PLUS TEMPERATURE	
pH	REDOX
CHLORINE	CONDUCTIVITY
TURBIDITY	OXYGEN DISSOLVED
TEMPERATURE	OTHER ON REQUIEST

M05D pH/RX	0-14.00 pH / 0-1999 mV / 0-100.0 °C
M05D pH/CL	0-14.00 pH /0-20.00 ppm /0-100.0 °C
M05D pH/CD	0-14.00 pH / (more full scales) /0-100.0 °C
M05D pH/OXY	0-14.00 pH /0-20.00 mg/l /0-100.0 °C
M05D *	Other configurations on request

TECHNICAL FEATURES

Display	TFT 320x240 colour display	**Menu**	Multilanguages menu
Accuracy	± 1% E.S.	**Wifi**	2.4 GHz wireless connection
Setpoint	4 setpoint (2 for each measure) programmable with free contact relays (5 A max) Threshold, Hysteresys, Dosing mode, Max dosing time, Proportional mode, Alarm High, Alarm Low	**Server**	Cloud server connection
Alarm	1 alarm output free contact relay	**Remote control**	Android and Ios application
Temperatu-re	Manual or automatic compensation 0-100 °C	**Power supply**	90...230 Vac 50Hz (5W)
Analog mA (output)	2 Adjustable analog 4-20mA Min max with galvanic separation	**Box**	In ABS V0, IP65 protection degree. Separated terminal-board cover
Sensor input	2 Level and 1 fluximeter sensors input switch	**Dimension**	201 x 202 x 106 mm
Probe cleaning	Timed relay output	**Weight**	1150 gr.

M05 S

One channel plus temperature

The M05S is the middle range instrument model. The instruments M05 family allow easy settings with 4 frontal keypad and 2 more contextual menu keys. The wide display always shows the situation of relays and alarms while showing the measurement happening in real time. M05S controllers can be remotely operated via WIFI , they can also accomodate a SD card for data storage and downloading.

Application : water treatment, industrial application.



- **TFT 320x240 colour display**
- **Single measure plus temperature**
- **2 Relay outputs**
- **1 Alarm output**
- **1 Analog 4-20mA output for each measure**
- **1 Levels and 1 fluximeter sensor**
- **Multilanguage menu**
- **Wifi connnection**
- **Android and Apple Ios Application**
- **Server cloud for remote control**

REMOTE

GET IT ON Google Play

Download on the App Store

1 CHANNEL AVAILABLE

pH	REDOX
CHLORINE	CONDUCTIVITY
TURBIDITY	OXYGEN DISSOLVED
TEMPERATURE	OTHER ON REQUEST

M05S pH	(pH) 0-14.00 pH / 0-100.0 °C
M05S RX	(Redox) 0-1999 mV / 0-100.0 °C
M05S CL	(Chlore) 0-20.00 ppm / 0-100.0 °C
M05S CD	(Conductivity) (full scale on demand) /0-100.0 °C
M05S OXY	(Oxigene) 0-20.00 mg/l /0-100.0 °C
M05S TB	(Turbidity) 0-20.00 NTU/0-100 °C
M05S *	Other configurations on requiest

TECHNICAL FEATURES

Display	TFT 320x240 colour display	**Menu**	Multilanguages menu
Accuracy	± 1% E.S.	**Wifi**	2.4 GHz wireless connection
Setpoint	2 setpoint programmable with free contact relays (5 A max) Threshold, Hysteresys, Dosing mode, Max dosing time, Proportional mode, Alarm High, Alarm Low	**Server**	Cloud server connection
Alarm	1 alarm output free contact relay	**Remote control**	Android and Ios application
Temperature	Manual or automatic compensation 0-100 °C	**Power supply**	90...230 Vac 50Hz (5W)
Analog mA (output)	1 Adjustable analog 4-20mA Min max with galvanic separation	**Box**	In ABS V0, IP65 protection degree. Separated terminal-board cover
Sensor input	1Level and 1 fluximeter sensors input switch	**Dimension**	201 x 202 x 106 mm
		Weight	1150 gr.

M20

Entry level instruments are M20 family for: pH, Chlorine, Redox potency, Conductivity, turbidity, and temperature measurement. The M20 controllers are available as wall mounting, DIN and panel version, featuring SMD technology and easy programming.



- Oled Graphic display
- 4 mounting version
- 6 measure models
- 2 relay outputs
- 4-20 mA output with galvanic separation
- Fluximeter sensor control
- Temperature control
- 4 menu languages

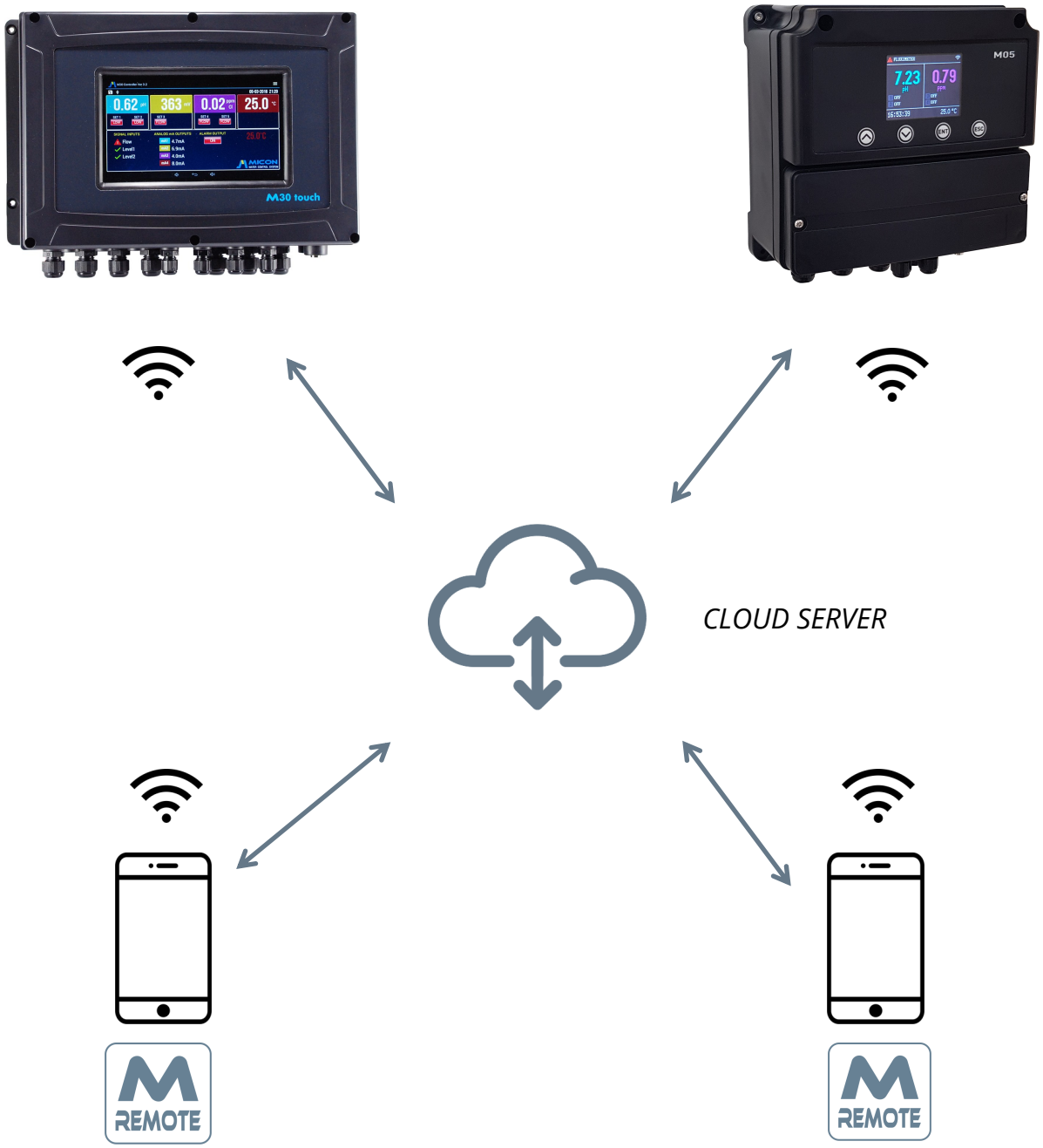
MODELS	M20-PH	M20-MV	M20-CL	M20-CD	M20-TEMP	M20-FL
Measure Range	0-14.00 pH	0-1000 mV	0-10.00 ppm	0-10.00 uS K=5 0-100.0 uS K=5 0-1000 uS K=5 0-10.00 mS K=1 0-100.00 mS K=1	0-100 °C	0-10.00mc/h 0-100.0mc/h
Functions	pH mesaure and control	Redox potential (ORP) measure and control	Free Chlorine measure and control	Conductivity measure and control	Temperature measure and control	Water flow measure and control
Resolution	± 0.01pH	± 1mV	± 0.01ppm	± 1% E.S.	± 0.1 °C	± 1% E.S.

TECHNICAL FEATURES

Display	Oled display with high contrast
Accuracy	± 1% E.S.
Controls	4 Keypads.
Temperature compensation	Automatic temperature compensation 0-100 °C with external ntc 1K sensor.
Output	2 free-contact relay ON/OFF load 5A 230vac fully programmables: Threshold, Hysteresys,Delay,Alarm and more options.
Analog mA	4-20mA output fully programmable.
Sensor	Fluximeter sensor switch control.
Menu	4 Languages menu: English, French, Italian, Spanish
Power supply	230 Vac 50Hz (optional 110/ 24 Vac) 2W
Weight	310 gr. (DIN) / 560 gr. (Rack) / 545 gr. (W)
Box Dimensions	106 x 90 x 58 mm (DIN6 modules) 48 x 96 x 110 mm (RACK 1) 96 x 96 x100 mm (RACK 2) 180 x 115 x 75 mm (W) IP56 plastic box

Remote Control

The Instruments and mobile App are connected whit server cloud for remote control.
The MRemote web app (for tablets and smartphone) is available on Google play and on Apple Store.



ADVANTAGES

- reduces plant intervention and inspections.
- show the current measures, settings and sensors status.
- gives notification of alarms and datalog files by email (M30 only)
- software remote update for new features (M30 only)

Signal Simulator

The Micon signal simulator facilitates all instrument testing operations for controlling pH and Redox inputs signals. It is also possible to check the status of the probes



- **Simulates pH from 0 to 14 and ORP from 0 to 2000 mV**
- **Input probe test function**
- **Works with all meters with a BNC connector**
- **Very useful tool for assistance and maintenance personnel**
- **Auto power off**
- **BNC connector**

TECHNICAL FEATURES

Simulator	ph and Redox signal probe simulator
pH steps	7.00pH, 14.00pH, 0.00pH, 8.00pH, 6.00pH, 10.00pH, 4.00pH, 5.00pH
Redox steps	000mV, 500mV, 1000mV, 2000mV, 1500mV, 300mV, 800mV, 100mV
Hysteresys test	Signal output adjust for instrument hysteresys test
Probe test	ph and Redox probe input test for efficency test
Language menu	4 languages menu available
Auto power off	Auto power off for long battery durability
Operating conditions	0-50°C (32 to 122°F); UR max 95%
Power supply	9VDC battery (removable)
Dimensions	180 x 89 x 25 mm
Weight	190 gr. (with battery)



Dosing

Micon dosing systems are high quality products for the dosing of various chemicals. The PM solenoid metering pumps family offers very reliable and precise dosing inside IP65 casing, via digital control and wide backlit displays.

It can work as constant flow rate or proportional to an external mA signal or with built-in controllers for pH, conductivity, Redox and Chlorine readings.

Double dosing system with peristaltic or solenoid pumps are also available.

Easy to install and program.

PMi

Metering dosing pumps with built-in instruments for pH, Redox, free chlorine and conductivity control and regulation. The wide backlit display provides real time readings and pump's status.
Standard Polypropylene pump head with FPM or EPDM seals , manual venting.



- **Backlighted graphic display**
- **Very easy to use: programming way like "mobile phone"**
- **Proportional dosing to the set-point value**
- **Constant flow rate mode**
- **Level probe input**
- **Plastic box IP65 protection degree**
- **Version pH/Redox(mV) selectable from the user**
- **Start/Stop key**
- **Measure ranges:**
  - **pH: 0-14,00 pH; BNC input from pH probe**
  - **Redox(mV): 0-1999 mV; BNC input from Redox(mV) probe**
  - **Free Chlorine: 0-10,00 ppm; Input probe SCLO series**
  - **Conductivity: 0-10.00 mS with probe SCD K1; other ranges available 1000mS, 100 mS, 10 mS, with probe SCD K5**

MODEL	Flow rate max (l/h)	Pressure max (bar)	Standard power supply (*)	Dimensions (hxlxp) mm	Weight (kg)
PMi 01-15	1	15	230 V-50/60 Hz	225x125x153	2.3
PMi 02-10	2	10	230 V-50/60 Hz	225x125x153	2.3
PMi 05-07	5	7	230 V-50/60 Hz	225x125x153	2.3
PMi 10-10	10	10	230 V-50/60 Hz	225x125x153	2.3
PMi 20-03	20	3	230 V-50/60 Hz	225x125x153	2.3
PMi 50-01	50	0.1	230 V-50/60 Hz	225x125x155	2.3

(*) For other power supply contact the headquarter

Pump head	Polypropylene (on request: PVDF,PVC, SS316, PTFE)
Diaphragm	PTFE
Connections	PVDF
Foot filter	Polypropylene
Injection valve	Polypropylene
Suction tube	PVC crystal
Delivery tube	Polyethylene
Standard valves	Ceramic ball
Seals	FPM (on request: EPDM)
On request	Level connection (BNC)
Max current	1A

PMplus

Metering dosing pumps – Proportional regulation to an external water meter pulse sender or 4-20mA signal. Standard Polypropylene pump head with FPM or EPDM seals, manual venting.



- **Backlighted graphic display**
- **Very easy to use: programming way like "mobile phone"**
- **Proportional to a digital signal (water-meter pulse-sender):**
  ppm mode – selecting the "ppm" quantity the pump automatically adjusts the frequency dosing;
  n:m mode – setting the number of external pulses and the correspondent pump strokes;
- **Proportional to an external signal 4-20 or 20-4 mA, selecting the mA range and the correspondent value of frequency dosing**
- **Constant flow rate mode**
- **Automatic regulation of frequency dosing (the pump automatically follows the flow variation)**
- **Automatic managing of excessive external pulses (If the pump receives pulses during the dosing the microprocessor automatically adjusts the working frequency without losing any signal)**
- **Level probe input**
- **Plastic box IP65 protection degree**

MODEL	Flow rate max (l/h)	Pressure max (bar)	Standard power supply (*)	Dimensions (hxlxp) mm	Weight (kg)
PMplus 01-15	1	15	230 V-50/60 Hz	225x125x153	2.3
PMplus 02-10	2	10	230 V-50/60 Hz	225x125x153	2.3
PMplus 05-07	5	7	230 V-50/60 Hz	225x125x153	2.3
PMplus 10-10	10	10	230 V-50/60 Hz	225x125x153	2.3
PMplus 20-03	20	3	230 V-50/60 Hz	225x125x153	2.3
PMplus50-01	50	0.1	230 V-50/60 Hz	225x125x155	2.3

(*) For other power supply contact the headquarter

Pump head	Polypropylene (on request: PVDF,PVC, SS316, PTFE)
Diaphragm	PTFE
Connections	PVDF
Foot filter	Polypropylene
Injection valve	Polypropylene
Suction tube	PVC crystal
Delivery tube	Polyethylene
Standard valves	Ceramic ball
Seals	FPM (on request: EPDM)
On request	Level connection (BNC)
Max current	1A

PMK

Metering dosing pumps – Costant flow rate regulation.
PVDF and polypropylene pump head with FPM or EPDM seals, manual venting.



- **Led power-on**
- **Led Alarm**
- **Led pulse solenoid**
- **LCD display**
- **Flow rate digital adjustment**
- **Start/Stop key**
- **Plastic box IP65 protection degree**

MODEL	Flow rate max (l/h)	Pressure max (bar)	Standard power supply (*)	Dimensions (lxhxp) mm	Weight (kg)
PMK 01-15	1	15	230 V-50/60 Hz	225x125x153	2.3
PMK 02-10	2	10	230 V-50/60 Hz	225x125x153	2.3
PMK 05-07	5	7	230 V-50/60 Hz	225x125x153	2.3
PMK 10-10	10	10	230 V-50/60 Hz	225x125x153	2.3
PMK 20-03	20	3	230 V-50/60 Hz	225x125x153	2.3
PMK 50-01	50	0.1	230 V-50/60 Hz	225x125x155	2.3

(*) For other power supply contact the headquarter

Pump head	Polypropylene (on request: PVDF,PVC, SS316, PTFE)
Diaphragm	PTFE
Connections	PVDF
Foot filter	Polypropylene
Injection valve	Polypropylene
Suction tube	PVC crystal
Delivery tube	Polyethylene
Standard valves	Ceramic ball
Seals	FPM (on request: EPDM)
On request	Level connection (BNC)
Max current	1A

PME

Metering dosing pumps – Costant flow rate regulation.
PVDF pump head with FPM or EPDM seals, manual venting.



- **Led power-on**
- **Led Alarm**
- **Led pulse solenoid**
- **LCD display**
- **Flow rate digital adjustment**
- **Start/Stop key**
- **Plastic box IP65 protection degree**

MODEL	Flow rate max (l/h)	Pressure max (bar)	Standard power supply (*)	Dimensions (lxhxp) mm	Weight (kg)
PME 01-15	1	15	230 V-50/60 Hz	185x97x112	1.4
PME 02-10	2	10	230 V-50/60 Hz	185x97x112	1.4
PME 05-05	5	5	230 V-50/60 Hz	185x97x112	1.4
PME 10-01	10	1	230 V-50/60 Hz	185x97x112	1.4

(*) For other power supplies and configurations, contact the office

Pump head	PVDF
Diaphragm	PTFE
Connections	PVDF
Foot filter	polypropylene
Injection valve	polypropylene
Suction tube	PVC crystal
Delivery tube	Polyethylene
Standard valves	Ceramic ball
Seals	FPM (on request: EPDM)
On request	Level connection (BNC)
Max current	1A

PMD

Proportional dosing pumps with double built-in instrument to control and regulate pH-Redox, pH-Chlorine.
The good choice for domestic swimming pool, with PVDF pump head, manual venting.



- **TFT Colour 320x240 Display**
- **Microprocessor technology**
- **On/Off and proportional pump regulation**
- **Delay time adjustable for each dosing pump**
- **Hysteresys adjustable for each dosing pump**
- **Level input for each measure**
- **Flow sensor input to control the dosage**
- **One relay ouput for alarm**
- **pH priority**

MODEL	PMD - PHRX	PMD - PHCL
Range	0-14.00 pH 0-1000 mV	0-14.00 pH 0-10.00 ppm
Resolution	± 0.01 ph/ ±1 mV	± 0.01 ph / ±0.01 ppm
Pump Flow rate	**5 l/h - 5bar**	**10l/h-2 bar** **1l/h -1bar**

(*) For other power supplies and configurations, contact the office

Display	TFT Colour 320x240 Display
Accuracy	± 1% E.S.
Keypad	4 Keys
Regulations	Setpoints, hysteresys and delay for each measure
Levels	Two level probe inputs (BNC)
Flow sensor	1 input for flow sensor (BNC)
Power supply	110 or 230 Vac 50Hz
Max current	2 A
Dimensions	227 x 216 x 143 mm

PMP

Peristaltic dosing pumps with 1,5 lt/h flow rate. Available in pH and Redox version.



- **3 digit led display**
- **Microprocessor technology**
- **On/Off pump regulation**
- **Delay time adjustable**
- **Hysteresis adjustable**
- **Level input**
- **Pump flow rate 1,5 l/h -1bar**

MODELS	PMP - PH	PMP-RX
Range	0-14.00 pH	0-1000 mV
Functions	Measurement, control and regulation of pH	Measurement, control and regulation of redox potential (ORP)
Resolution	± 0.01 ph	±1 mV

Display	Led dispaly
Accuracy	± 1% E.S.
Controls	Keypad 4 Keys
Regulations	Setpoints, hysteresys and delay for each measure
Level	Level probe inputs (BNC)
Power supply	230 Vac 50Hz
Max current	2 A
Pump Flow rate	1,5 lt/h - 1 bar (for different flow rate contact the manufacturer)
Dimensions	185 x 98 x 108 mm
Weight	760 gr

PMPD

Two 1,5 lt/h peristaltic pumps regulator, with pH-Redox and pH-Chlorine version.



- **Blue/white backlight LCD Display**
- **Microprocessor technology**
- **pH-Redox and pH-Chlorine versions:**
- **On/Off pump regulation**
- **Hysteresis and delay parameters settings**
- **Level input for each measure**
- **Flow sensor control**
- **Pump flow rate 1,5 l/h -1bar**

MODELS	PMDP - PHRX	PMDP-PHCL
Range	0-14.00 pH 0-1000 mV	0-14.00 pH 0-10.00 ppm
Functions	Measurement, control and regulation of pH and redox potential (ORP)	Measurement, control and regulation of pH and chlorine
Resolution	± 0.01 ph/ ±1 mV	± 0.01 ph / ±0.01 ppm

Display	Backlight graphic LCD
Accuracy	± 1% E.S.
Controls	Keypad 4 Keys
Regulations	Setpoint, hysteresys and delay
Level	Two level probe inputs (BNC)
Flow sensor	1 input for flow sensor (BNC)
Power supply	230 Vac 50Hz
Max current	2 A
Pump Flow rate	1,5 lt/h - 1 bar (for different flow rate contact the manufacturer)
Dimensions	227 x 216 x 143 mm
Weight	1490 gr

Pump Heads



PVDF PME pump head complete with ball valves (ceramic balls) FPM or EPDM seals, Self venting



Polypropylene pump head complete with ball valves (ceramic balls) FPM or EPDM seals, Self venting



PVDF pump head complete with ball valves (ceramic balls) FPM or EPDM Seals,Self venting



PVC pump head for high flow rate (20 lt/h up to 50 lt/h) complete with ball valves (ceramic balls) FPM or EPDM seals, Self venting

Installation kit bundled with the pump



4x6 PVC Crystal tube for suction 2 mt. length



4x6 polyethylene tube for delivery 2 mt. length



Ball injection valve

Polypropylene or PVDF
With ball valves (ceramic)
FPM or EPDM



Foot filter

Polypropylene or PVDF
With ball valves (ceramic)
FPM or EPDM

Pumps accessories





Base Mounting Bracket
for PME series





Base Mounting Bracket
for PM series



SL level probe requires
standard pump
modification



Foot filter with
level probe

Injection lances



Suction lances



Mixing and dosing station



Storage, dosing, all regulation in one single system.

Dosing stations are assembled to include:
- Dosing pumps
- Suction lances
- Mixer

Water-meter pulse sender

WMC | Threaded versions

Threaded water-meter pulse-sender for cold water (30°C max), dry dial. Cable length 3 m.



WMC | Flanged versions

Threaded water-meter pulse-sender for cold water (30°C max), dry dial. Cable length 3 m.



AM | Manual mixers

Manual mixers with support, PVC shaft, PVC propeller



AMV | Fast mixers

Fast mixers (1360 rpm) with support:
Steel shaft, PVC covered. PVC propeller.
Available 3 phase or 1 phase motor version.



AML | Slow mixers

Slow mixers (65 rpm) with support:
Steel shaft, PVC covered. PVC propeller.
Available 3 phase or 1 phase motor version.



Micon Back Plates are ready to be installed solutions with instruments, dosing pumps, filters and probe holders, available as prefabricated or custom-made models upon customer request



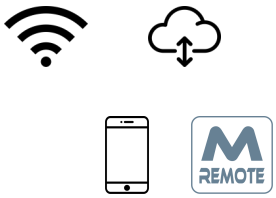
PMDP PHRX Back plate
(suitable for swimming-pool)



PMD PHCLc Back plate
(suitable for swimming-pool)



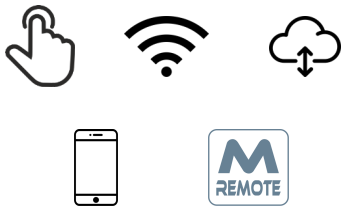
M05 PHCLs Back plate
(suitable for swimming-pool)







M30 Back plate
(suitable for swimming-pool)



Cooling Tower Back plate



Sample panel



Probes & accessories

Micon offers a wide range of probes and accessories for dosing systems and instruments. All the accessories you will find on our catalogue are designed to work better with our products. Tanks, mixers, lances are all available to be assembled ready to use mixing stations. Also filters, probe holders, valves and water meters are available .



pH	Code	Body material	Range	Connection	Cable lenght	Pressure	Temperature
phs5	00700001	epoxy	0-14ph	BNC	5 m.	max 6 bar	max 60 °C
phs11	00700003	glass	0-14ph	S7	/	max 6 bar	max 60 °C
phs7	00700012	epoxy	0-14ph	S7	/	max 6 bar	max 60 °C
Phs hp	00700011	glass	0-14ph	S7	/	max 6 bar	max 130 °C



Redox	Code	Body material	Range	Connection	Cable lenght	Pressure	Temperature
mvs5	00700002	epoxy	±2000mv	BNC	5 m.	max 6 bar	max 60 °C
mvs11	00700004	glass	±1000mv	S7	/	max 6 bar	max 60 °C
mvs7	00700013	epoxy	±2000mv	S7	/	max 6 bar	max 60 °C
mvs hp	00700014	glass	±1000mv	S7	/	max 6 bar	max 130 °C



Membrane Sensors	Code	Range	Dimension (mm)	Pressure	Flow rate max	pH range	Suitable for
FCL410s	00700026	0-10ppm	D=25/L=175	max 1 bar	30-40 lt/h	5.5-8.5	inorganic chlorine
CL4.1N	00700022	0-20ppm	D=25/L=175	max 1 bar	30-40 lt/h	4-11	inorganic chlorine
CS2.3N	00700023	0-20ppm	D=25/L=175	max 1 bar	30-40 lt/h	4-8	inorganic chlorine
CC1	00700024	0-20ppm	D=25/L=175	max 1 bar	30-40 lt/h	4-11	organic chlorine
CP2.1 N	00700025	0-20 ppm	D=25/L=175	max 1 bar	30-40 lt/h	4-11	total chlorine
CLD 410S	00700027	0-10ppm	D=57/L=250	max 1 bar	45-135 lt/h	5,5-8,5	chlorine dioxide



Conductivity	Code	Body material	Constant cell	Electrode material	Cable lenght	Connection	Temperature Comp.	Max °C
SCDK1	99210018	PVC	K1	SS316	3 mt	1/2" Gas	No	50
SCDT2K1	99210064	PVC	K1	SS316	3 mt	1/2" Gas	YES	50
SCDLK1	99210052	PVC	K1	SS316	3 mt	1/2" Gas	No	50
SCDK5	99210025	PVC	K1	SS316	3 mt	1/2" Gas	No	50
SCDT2K5	99210065	PVC	K1	SS316	3 mt	1/2" Gas	YES	50
SCDLK5	99210052	PVC	K1	SS316	3 mt	1/2" Gas	No	50
SCDK1T	99210008	PTFE	K1	SS316	3 mt	1/2" Gas	No	130
SCDT2K1T	99210061	PTFE	K1	SS316	3 mt	1/2" Gas	YES	130
SCDK5T	99210009	PTFE	K5	SS316	3 mt	1/2" Gas	No	130
SCDT2K5T	99210060	PTFE	K5	SS316	3 mt	1/2" Gas	YES	130
SCD Grafite	99210007	PTFE	K 0,8	GRAPHITE	3 mt	1/2" Gas	NO	130
SCD Grafite	99210071	PTFE	K 0,8	GRAPHITE	3 mt	1/2" Gas	YES	130



Oxigen	Code	Range	Dimension (mm)	Cable lenght	Connection	Flow rate min
OXI1	00700020	0-20 mg/l	Ø 12	5 mt	PG 15.5 mm	0.03 m/s



Temperature	Code	Range °C	Body material	Elecrode material	Cable lenght	Connection
STE1 N	99210055	0 - 100	PTFE	SS316	3 mt	1/2" Gas
STE2 N	99210056	0 - 50	PVC	PVC	3 mt	1/2" Gas



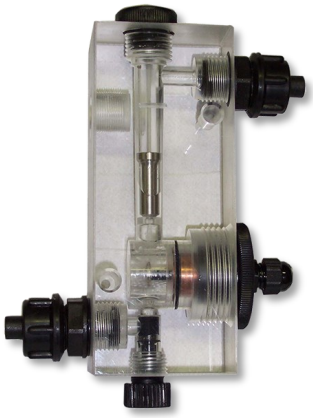
STB1 - Turbidity probe

Measure range : 0-1000 NTU
Suggested flow : 15 lt/h.
Max pressure: 5 bar.
Body material: PVC



SCLO 1 - Free chlorine open amperometric cells

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 5 bar.
Suggested flow 40 l/h.



SCLO 11 - Free chlorine open amperometric cells

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 5 bar.
Suggested flow 40 l/h.
With flow switch housing (not included)



SCLO 2 - Free chlorine open amperometric cells

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 5 bar. Suggested flow 40 l/h.
Available with flow sensor housing and Ph/redox probe holders.
With flow switch and pH/Redox housing (not included).



PS100

PVC body, in line probe holder for pH/Redox electrode Ø 12mm. Connection ½" gas



PS5

SAN transparent and PP material, with housing for two ph/redox electrodes or conductivity probe.
Also available in version with flow sensor (PS5-SF)



PS201

Plexyglass material, with housing for two ph/redox electrodes. Flow switch sold separately.



PS4

Plexyglass material, with housing for an amperometric sensor and two ph/redox electrodes and temperature probe. Flow switch sold separately.



PS300 Immersion probeholder

PVC body Ø 12mm, lenght 70 cm.



PS200

Plexyglass material, with housing for two ph/redox electrodes or conductivity probe.



PS01

Plexyglass material, with housing for an amperometric sensor and one ph/redox electrode.
Flow switch sold separately



PS402

Plexyglass material, with housing for two amperometric sensor and two ph/redox electrodes and temperature probe. Flow switch sold separately.