

Water treatment made easy



Simplicity
is the ultimate
sophistication

Leonardo da Vinci



MICON, water treatment equipment manufacturing company introduces the new controllers and dosing systems catalogue.

Micon's products are the result of years of experience in water treatment industry and continuous strife for researching technological innovation aimed at performance improvements and simplicity of use.

Controllers and pumps are all produced using SMD technology and enveloped in IP65 casings, using resistant and materials chemically compatible with the most commonly used chemicals in water treatment applications.

In the catalogue you will find instruments for measuring Ph, conductivity, chlorine, temperature and Redox potency, also instruments for measuring turbidity and oxygen.

Single and multiple measurement instruments with upon request remote controlling capabilities, controlled via PC or GSM modem connection, for any professional operator's needs.

Our internally designed and manufactured dosing systems cover a wide range of flow rates, offering precision dosage and great performance.

All solenoid Micon pumps have digital controls and wide displays to monitor the operation. In addition to constant flow rate pumps, proportional regulation pumps and pumps with built-in controllers, the PM series includes multiple dosing systems with double digital pumps regulation, either peristaltic or solenoid.

Micon blends Italian technology and design in order to simplify the water treatment, because complex operations can be carried out with sophisticated instruments, but also easy to understand and to operate, designed to ease the life of the professional operator.

Water treatment made easy.



Control

Micon has a wide range of instruments for all applications with single and double measures for various parameters from Ph to turbidity.

We manufacture single measure entry level instruments, up to high level one with up to five simultaneous readings.

Every unit is encased in an IP65 box and SMD technology is used for any PCB circuit.

Every instrument is easily programmable thanks to the intuitive menu and the frontal keypad.

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



M20

M20 entry level instruments 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. The M20D+, direct evolution of the M20, adds a second measure along with the pH one. The available configurations are: pH-Redox, pH-Chlorine, pH-conductivity. All with pH priority functionality.



- Backlight LCD display
- Available versions:
Rack for electric panel
DIN rail
IP 56 wall mounting
- 2 Set-point free contact relay output (On-Off)
- 4-20 mA proportional output with galvanic separation, selectable on Set-point2 or on measure range (recorder)
- Adjustable delay time
- Proportional time/pause output
- Adjustable hysteresis

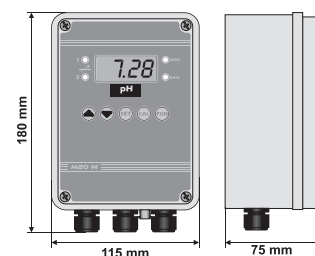
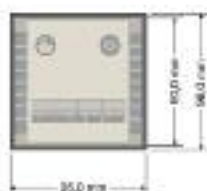
MODELS	M 20 - PH	M 20 - M V	M 20 - C L	M 20 - C D	M 20 - T E M P	M20DTP
Measure range	0-14.00 pH	0-1000 mV	0-10.00 ppm	0-10.00 μ S K=5 0-100.0 μ S K=5 0-1000 μ S K=5 0-10.00 mS K=1	0-100 °C	
Functions	pH measure and control	Redox potential (ORP) measure and control	Free Chlorine measure and control	Conductivity measure and control	Temperature measure and control	External pulse multiplier/divider
Resolution	± 0.01 ph	± 1 mV	± 0.01 ppm	$\pm 1\%$ E.S.	± 0.1 °C	

Display	LCD 3 1/2 DIGIT backlight	Delay	Set-point delay time adjustable
Accuracy	$\pm 1\%$ E.S.	P.i.d.	set point 2 selectable in proportional time/pause output
Controls	Keypad 5 Keys	Power supply	230 Vac 50Hz (optional 110/ 24 Vac)
Temperature compensation	Manual temperature compensation 0-100 °C	Consumption	2W
Set-point	2 free-contact relay ON/OFF load 5A 230vac	Box	DIN 6 modules / RACK 96X96 / IP56 plastic box
Output	Analogue 4-20mA selectable for recorder or proportional to the set-point 2 with galvanic separation	Dimensions	106 x 90 x 58 mm (DIN) 96X96X100 mm (Rack) 180x115x75 mm (W)
Hysteresis	Set- point hysteresis adjustable	Weight	310 gr. (DIN) / 560 gr. (Rack) / 545 gr. (W)

R series

D series

W series



M20D+ □□□□



- Backlight MICON display
- Power supply 90...230 Vac
- 2 Set-point with output relay On-Off free contact for each measure
- 4-20 mA proportional output with galvanic separation, selectable on the measure range (recorder) or on the set-point 1 and 3; one for each measure
- Adjustable delay time for each set-point
- Proportional output time/pause mode (PWM) for each set-point
- Adjustable hysteresis for each set-point
- Min/Max alarm for each set-point
- Wall mounting box IP65 protection degree with separated terminal-board cover
- Key "arrow down" to show instrument settings
- Flow sensor input
- pH priority

MODELS	M20D+ PH-MV	M20D+ PH-CL	M20D+ PH-CD
Measure range	0-14.00 pH 0-1000 mV	0-14.00 pH 0-10.00 ppm	0-14.00 pH 0-10.00 mS (on request other measure range)
Functions	pH & Redox potential (ORP) measure and control	pH & Free Chlorine measure and control	pH & Conductivity measure and control
Resolution	±1 mV	±0.01 ppm	±0,01 mS

Display Backlight MICON LCD

Accuracy ± 1% E.S.

Controls Keypad 6 Keys

Temperature compensation Manual or automatic
0-100 °C

Set-point 2 points ON/OFF
load 5A to 230vac
for each measure

Output Proportional 4-20mA
with galvanic separation, selectable
on set-point 1 and 3
or on the measure range
one for each measure

Hysteresis Adjustable for each set-point

Delay Adjustable for each point

P.W.M. Selectable for all relays
(proportional time/pause mode)

Alarm Min/Max for each set-point

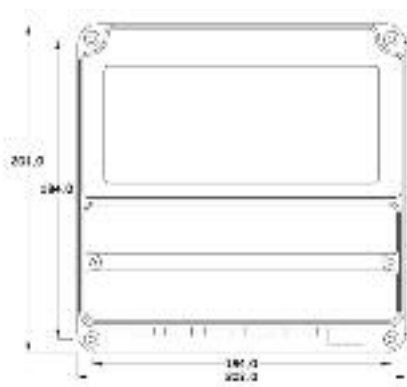
Power supply 90...230 Vac 50Hz

Consumption 5W

Box In ABV V0, IP65 protection degree. Separated
terminal-board cover

Dimensions 201 x 202 x 106 mm

Weight 1150 gr.



M05



The M05 controllers represent the excellence of Micon technology. The instruments of the 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 M05 controllers come in single and double measurement. The double measurement M05 are always provided with pH priority functionality. All M05 controllers can be remotely operated via PC or GSM modem, they can also accommodate an SD card for data storage and downloading.



- Back-light graphic display
- Multi-power supply: 100..240 Vac
- Hysteresis and delay time adjustable for each set-point
- 1 Alarm point for each set-point
- 1 Alarm relay - RS232 connection with galvanic separation for remote control (Micon software) or GSM modem connection
- Flow sensor input
- Level probe input
- Temperature compensation and visualization

SINGLE MEASURE (+temperature)

- Two set-points with free contact relays, selectable On-Off mode or proportional time/pause (PWM)
- Two 4-20mA programmable output signal with selectable range and galvanic separation
- One frequency output signal with selectable range
- One relay for alarm

DOUBLE MEASURE (+temperature)

- Three set-points (2 for the pH and 1 for the other measure) with free contact relays, selectable On-Off mode or proportional time/pause (PWM)
- Over time dosing alarm
- 1 Output relay for maintenance (probes cleaning)
- Two 4-20mA programmable output signal (1 for each measure) with selectable range and galvanic separation
- Two frequency output signal (1 for each measure) with selectable range
- One relay for alarm

Single Measure	pH	RX	CL (*)	CD	TB Turbidity	OXY Oxygen	°C Temperature
Range	0-14.00 pH	0-1999 mV	0-10.00 ppm	0-1999 mS (K=1)	0-20 NTU 0-200 NTU 0-1000 NTU	0-20.00 ppm	0-100.0°C
Resolution	± 0.01 ph	±1 mV	±0.01 ppm	± 1% mS	±0.01 NTU	±0.01 ppm	±0.1°C

(*) also available membrane sensor version; in this case the measure range depends on sensor's specific (see probes section)

Current output 2 programmable 4-20mA with selectable range - 400 Ω max - with galvanic separation

Frequency output 1 selectable with galvanic separation

Set-point 2 output free contact relays (5 A max)

Level probe 1 level probe input

Double Measure	pH / RX / °C	PH / CL / °C (*)	pH / CD / °C (**)
Range	0-14.00 pH / 0-10.00 ppm 0-100°C	0-14.00 pH / 0-10.00 ppm 0-100°C	0-14.00 pH / 0-1999 mS K=1 0-100°C
Resolution	±0.01 pH/±0.01 mV ±0.1°C	±0.01 pH/±0.01 ppm ±0.1°C	±0.01 ph/±1 mS ±0.1°C

(*) also available membrane sensor version; in this case the measure range depends on sensor's specific (see probes section)

Current output 2 programmable 4-20mA with selectable range - 400 Ω max - with galvanic separation

Frequency output 2 selectable with galvanic separation

Set-point 23 output (2 for the pH and 1 for the other measure) free contact relays (5 A max)

Level probe 2 level probe input

Probe cleaning Timed relay output

Common			
Display	Backlight graphic display 128x64	RS 232	RS232 connection with galvanic separation for remote control (Micon software) or GSM modem connection
Accuracy	± 1% E.S.		
Controls Keypad	7 Keys		
Temperature	Manual or automatic temperature compensation 0-100 °C	Flow sensor	Output relay "freeze" via flow sensor control
Hysteresis	Adjustable for each set point	Datalogger	Through computer link or SD card (optional)
Delay	Adjustable for each set point	Power supply	100...240 Vac
P.W.M.	Time/pause proportioning mode for each set point	Box	In ABV V0 with IP65 protection degree
Alarm	Alarm point for each set point (1 relay available)	Dimensions	202 x 184 x 106 mm
		Weight	1.150 gr.

M05 CT



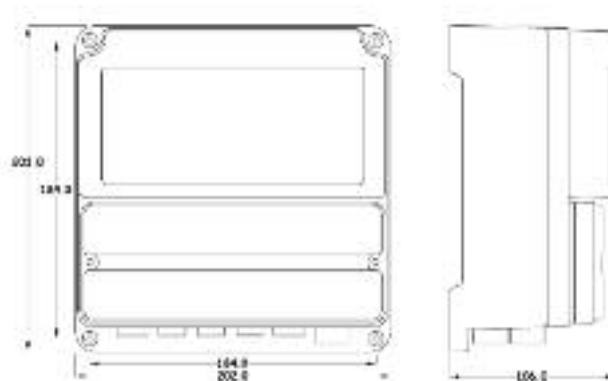
The M05 CT is specifically designed for **Cooling Tower** applications. The instrument controls the solenoid purge, the pump inhibitor and two pumps for Biocide. The controller integrates a clock-calendar which allows the Biocide dosing programming in daily, weekly or monthly way. Versions with conductivity measure or redox and conductivity measure are both available.



- Back-light graphic display
- Multi-power supply: 100..240 Vac
- Hysteresis and delay time adjustable for each set-point
- 1 Alarm point for each set-point
- 1 Alarm relay - RS232 connection with galvanic separation for remote control
- Flow sensor input
- Level probe input
- Temperature compensation and visualization

Measure Range	0...20.00 mS
Functions	Cooling Tower, control and regulation of conductivity
Resolution	0,01 mS
Display	Backlight graphic (128x64)
Controls	Keyboard (6 keys)
Temperature compensation	Manual or automatic temperature compensation (0-100 °C)
Relay output	5 free contact output relay 5 A max Out 1 Bleed control (bleed valve) Out 2 Feed control (inhibitor pump) Out 3 Biocide 1 relay (Biocide pump 1) Out 4* Biocide 2 relay (Biocide pump 2) Out 5 Alarm control
mA output	2 proportional 4-20mA (400 W max) Out 1 4-20mA Conductivity Out 2 4-20mA Temperature
Flow sensor	Independent control output relay via flow sensor switch
Bleed control	Conductivity, Timer, Manual
Feed control	Bleed Direct, % of Bleed, Timer, Water Meter, Manual

Biocide control	Independent (Biocide1 and Biocide2) 20 Line Programmer. Daily or 1-2-3-4 Weeks Timer-Clock system mode program.
Alarm control	Flow, Bleed and Feed Timeout
Datalogger	Optional SD memory card
Power supply	100-240 Vac
Box	In ABV V0 with IP65 protection degree
Dimensions	202 x 184 x 106 mm
Weight	1.150 gr



* In the M05 CT-CD-RX Out 4 allows Redox control.

M10 instruments series are high quality solution for applications that require simultaneous measurement of up to 4 parameters over the temperature. These controllers are designed for water treatment to meet technical requirements in accordance with local regulations. The M10 has inherited all the features of the M05 series, it can be controlled remotely via PC or GSM modem, it can store information on SD cards on request.



- Wide graphic backlit display 192x64
- Power supply: 100...240 Vac
- Hysteresis and delay time adjustable for each set-point
- 1 Alarm for each set-point
- 1 output relay for the alarms
- RS232 / USB connection with galvanic separation for remote control via PC (Micon software)
- GSM modem connection
- Optional: slot for SD card (not included)
- Flow sensor input
- Level probes input
- Temperature visualization and compensation
- Dosing time alarm
- 1 timed output relay for maintenance (probes cleaning)
- 4-20 mA proportional output, one for each measure, with selectable range and galvanic separation.
- Frequency output, one for each measure, with selectable range and galvanic separation.
- 4 set-points with free contact relays, ON-OFF or proportional in pause/time mode (PWM).
- Available versions:
3 measures + temperature visualization
4 measures + temperature visualization

Measures	pH	mV Redox	CL (*) Chlorine	CD Conductivity	TB Turbidity	OXY Oxygen	°C Temperature
Range	0-14.00 pH	0-1999 mV	0-10.00 ppm	0-19.99 mS (K=1) 0-19.99 mS 0-199.9 mS 0-1999mS (K=5)	0-20 NTU 0-200 NTU 0-1000 NTU	0-20.00 ppm	0-100.0°C
Resolution	± 0.01 ph	± 1 mV	±0.01 ppm	± 1%	±0.01 NTU	±0.01 ppm	±0.1°C

(*) also available membrane sensor version; in this case the measure range depends on sensor's specific (see probes section)

Current output	4-20mA proportional signal, one for each signal, selectable range 400 W max, galvanic separation	P.W.M.	Programmable for each setpoint
Frequency output	one for each signal, selectable range, galvanic separation	Alarms	Alarm value for each setpoint (one relay available)
Set point	4 free contact relays 5 A max	RS 232/USB	for PC remote control (Micon software) or GSM modem connection, with galvanic separation SD card (optional) Slot for SD card (SD card not included)
Level probes	2 level probe input	Flow sensor	To "freeze" the output relays
Probes cleaning	Timed relay for maintenance	Datalogger	By PC connection or on SD card (optional)
Display	Graphic backlit 192x64	Power supply	100...240 Vac
Accuracy	± 1% E.S.	Box	In ABV V0. IP65 protection degree
Controls	Keypad 6 keys	Dimensions	Terminal board cover separated
Temperature	Manual or automatic temperature compensation 0-100 °C	Weight	202 x 184 x 106 mm
Hysteresis	Programmable for each setpoint		1.150 gr.
Delay time	Programmable for each setpoint		

Micon Remote Communication.

System and data storage.



M30touch



M30touch instruments represents the last Micon technology. They use a powerful Android-Linux operating system. A wide display gives the possibility to show relays and alarm status while the instrument keep measuring in real time



- Touchscreen display 7"
- Up to 6 measures
- 5 set-points free contact relays
- 1 alarm free contact relay
- 4 analog 4-20mA outputs
- Level and proximity probe inputs
- Wi-Fi connection
- Data Memory Recorder (Every day for 100 years)
- Statistics graphic line chart for all measures
- Sntp support server for email datalog sending
- Selectable languages: ITA-ENG-FRA-GER-SPA-RUS
- Help Text during set-point, Calibration and other procedures
- Remote assistance for firmware upgrade
- Google Play Store application for smartphone remote control

Parameter	pH	mV Redox	CL(*) Chlorine	CD Conductivity	TB Turbidity	OXY Oxygene	°C Temperature
Range	0-14.00 pH	0-1999 mV	0-10.00 ppm	0-19.99 mS (K=1) 0-19.99 mS 0-199.9 mS 0-1999mS(K=5)	0-20 NTU 0-200 NTU 0-1000 NTU	0-20.00 ppm	0-100.0°C
Resolution	± 0.01 ph	±1 mV	±0.01 ppm	± 1%	±0.01 NTU	±0.01 ppm	±0.1°C

(*) also available membrane sensor version; in this case the measure range depends on sensor's specifications (see probes section)

Current output	4 programmable 4-20mA with selectable range - 400 Ω max - with galvanic separation
Ferquency output	2 selectable with galvanic separation
Set-point	6 output free contact relays (5 A max)
Level probe	2 level probe inputs
Flow sensor	1 flow probe input



Display	7" inch 1024 x 800 display resolution	e-Mail	Support smtp email server for datalog file sending
Processor	4 cores arm-cortex	Data logger	Up to 10 years File memory storage
Keypad	5 point touchscreen	Power supply	100...240 Vac
Measure	6 independent parameters input	Box	In ABV V0 with IP65 protection degree
Output	6 set-point relays, 1 alarm relay, 4 analog mA out, 2 frequency output	Dimensions	328 x 236 x 107,5 mm
Common inputs	1 Flow sensor, 2 level sensor, 1 water meter	Weight	1.150 gr
Connection	Wi-Fi Single-band 2.4GHz IEEE 802.11b/G		



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.



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

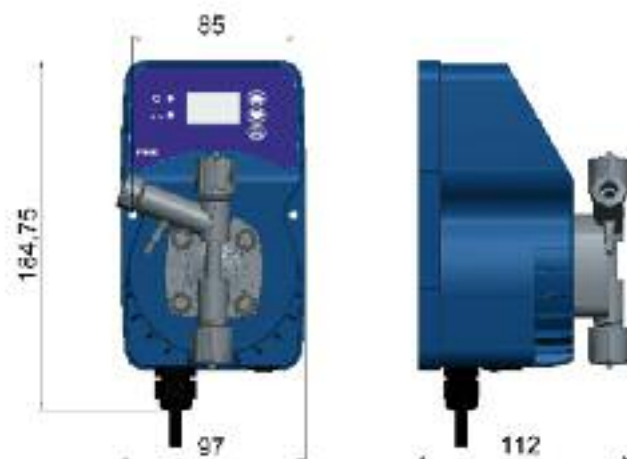


- Led power-on
- Led Alarm
- Led pulse solenoid
- LCD display
- Flow rate digital adjustment by keys
- Start/Stop key
- Plastic box IP65 protection degree

MODEL	Flow rate max (l/h)	Pressure max (bar)	Frequency max (imp/min)	ml/pulse	Max suction high (m)	Standard power supply (*)	Weight (kg)
PME 01-15	1	15	120	0,14	2.0	230 V-50/60 Hz	1,4
PME 02-10	2	10	120	0,28	2.0	230 V-50/60 Hz	1,4
PME 05-05	5	5	120	0,69	2.0	230 V-50/60 Hz	1,4

(*) For other power supply contact the headquarter

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



Metering dosing pumps – Costant flow rate regulation. Polypropylene pump head with FPM or EPDM seals

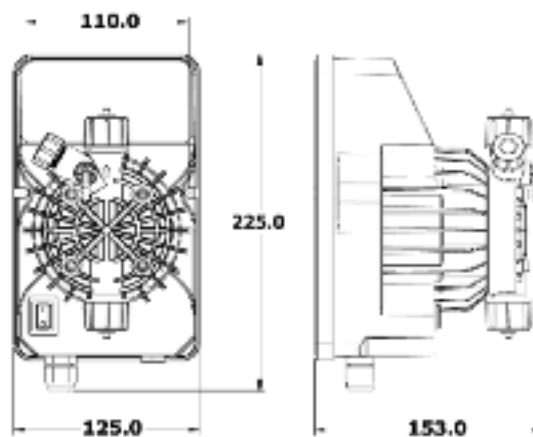


- Led power-on
- Led Alarm
- Led pulse solenoid
- LCD display
- Flow rate digital adjustment by keys
- Start/Stop key
- Plastic box IP65 protection degree

MODEL	Flow rate max (l/h)	Pressure max (bar)	Frequency max (imp/min)	ml/pulse	Max suction high (m)	Standard power supply (*)	Weight (kg)
PMK 01-15	1	15	120	0,14	2.0	230 V-50/60 Hz	2,3
PMK 02-10	2	10	120	0,28	2.0	230 V-50/60 Hz	2,3
PMK 05-07	5	7	120	0,69	2.0	230 V-50/60 Hz	2,3
PMK 10-10	10	10	180	0,93	2.0	230 V-50/60 Hz	2,3
PMK 20-03	20	3	200	1,67	2.0	230 V-50/60 Hz	2,3
PMK 50-01	50	0,1	220	3,97	2.0	230 V-50/60 Hz	2,3

(*) For other power supply contact the headquarter

Pump head	polypropylene (on request: PVDF,PVC, SS316, PTFE)
Diaphragm	PTFE
Connections	polypropylene
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



Metering dosing pumps – Regulation proportional to an external 4-20mA or 20-4mA signal. Polypropylene pump head with FPM or EPDM seals

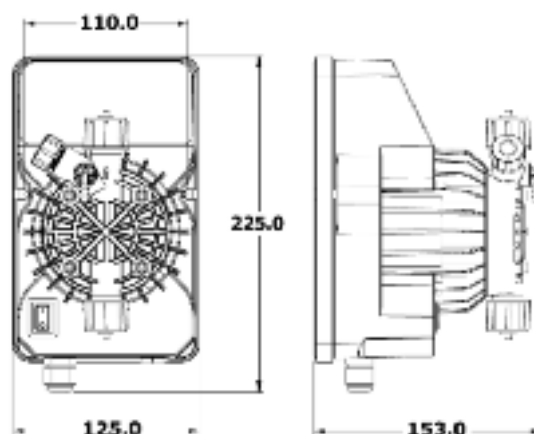


- Backlighted graphic display
- Very easy to use: programming way like “mobile phone”
- Proportional to a digital signal (water-meter pulse-sender):
ppm mode – selecting the “ppm” quantity the pump automatically adjusts the frequency dosing;
n:m mode – setting the number of external pulses and the correspondent 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)	Frequency max (imp/min)	ml/pulse	Max suction high (m)	Standard power supply (*)	Weight (kg)
PMplus 01-15	1	15	120	0,14	2.0	230 V-50/60 Hz	2,3
PMplus 02-10	2	10	120	0,28	2.0	230 V-50/60 Hz	2,3
PMplus 05-07	5	7	120	0,69	2.0	230 V-50/60 Hz	2,3
PMplus 10-10	10	10	180	0,93	2.0	230 V-50/60 Hz	2,3
PMplus 20-03	20	3	200	1,67	2.0	230 V-50/60 Hz	2,3
PMplus 50-01	50	0,1	220	3,79	2.0	230 V-50/60 Hz	2,3

(*) For other power supply contact the headquarter

Pump head	polypropylene (on request: PVDF,PVC, SS316, PTFE)
Diaphragm	PTFE
Connections	polypropylene
Foot filter	polypropylene
Injection valve	polypropylene
Suction tube	PVC crystal
Delivery tube	polyethylene
Standard valves	ceramic ball
Seals	FPM (on request: EPDM)
Max current	1A



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. Polypropylene pump head with FPM or EPDM seals.

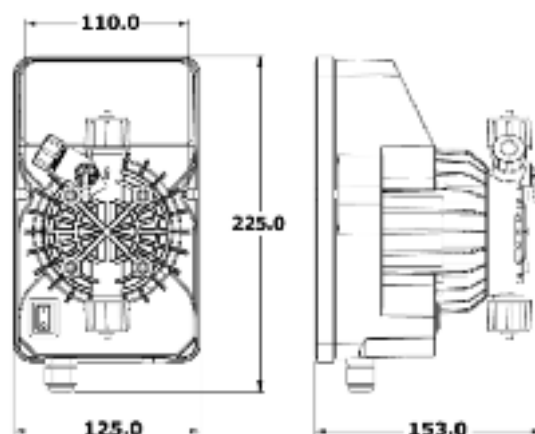


- Backlighted graphic display
- Very easy to use: programming way like "mobile phone"
- Proportional dosing to the set-point value
- Constant flow rate mode
- Level probe input
- Plastic box IP65 protection degree
- Version pH/Redox(mV) selectable from the user
- Start/Stop key
- Measure ranges:
 - pH: 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 SCL0 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)	Frequency max (imp/min)	ml/pulse	Max suction high (m)	Standard power supply (*)	Weight (kg)
PMi 01-15	1	15	120	0,14	2.0	230 V-50/60 Hz	2,3
PMi 02-10	2	10	120	0,28	2.0	230 V-50/60 Hz	2,3
PMi 05-07	5	7	120	0,69	2.0	230 V-50/60 Hz	2,3
PMi 10-10	10	10	180	0,93	2.0	230 V-50/60 Hz	2,3
PMi 20-03	20	3	200	1,67	2.0	230 V-50/60 Hz	2,3
PMi 50-01	50	0,1	220	3,79	2.0	230 V-50/60 Hz	2,3

(*) For other power supply contact the headquarter

Pump head	polypropylene (on request: PVC, SS316, PTFE, PVDF)
Diaphragm	PTFE
Connections	polypropylene
Foot filter	polypropylene
Injection valve	polypropylene
Suction tube	PVC crystal
Delivery tube	polyethylene
Standard valves	ceramic ball
Seals	FPM (on request: EPDM)
Max current	1A



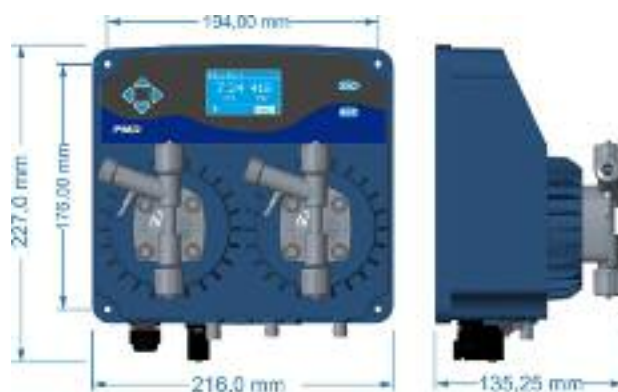
Proportional dosing pumps with double built-in instrument to control and regulate pH-Redox, pH-Chlorine or pH-conductivity. The wide backlight display allows in real-time readings and also to check the status of the pumps. The pump head is in polypropylene, the seals in FPM or EPDM.



- Backlight graphic LCD Display
- Microprocessor technology
- Pump regulation On/Off or proportional to time
- Delay time adjustable for each dosing pump
- Hysteresis adjustable for each dosing pump
- Level input for each measure
- Flow sensor input to control the dosage
- One relay output for alarm
- Pump flow rate 5 l/h - 5 bar
- pH priority

MODELS	PMD-PHRX	PMD-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 6 Keys
Level probes	2 level
Temperature compensation	Manual temperature compensation 0-100 °C or automatic with temperature probe
Set-point	One for each measure
Hysteresis	Programmable hysteresis for each pumps
Delay	Programmable time delay for each pumps
Level	Two level probe inputs
Flow sensor	1 input for flow sensor
Power supply	110 or 230 Vac 50Hz
Max current	2A
Dimensions	227 x 216 x 143 mm
Pump flow rate	5 l/h - 5 bar



The PMP dosing system has small size to easily fit in narrow spaces
 Provided with a 1,5 lt/h peristaltic pumps can monitor and regulate Ph and Redox



- 3 digit display
- Microprocessor technology
- Measure available: pH, Redox (ORP),
- Flow sensor input to stop the pump and start the alarm
- Pump flow rate 1,5 l/h

MODELS	PMP-PH	PMP-MV
Range	0-14.00 pH	0-1000 mV
Functions	pH measure and control	Redox potential (ORP) measure and control
Resolution	± 0.01 ph	±1 mV

Display	LCD 3 ½ DIGIT
Accuracy	± 1% E.S.
Controls	Keypad 3 Keys
Level probes	1 level
Temperature compensation	Manual temperature compensation 0-100 °C
Power supply	230 Vac 50Hz (optional 110/ 24 Vac)
Consumption	5W
Pump flow rate	1,5 l/h - 1,5 bar
Dimensions	114 x 180 x 100 mm
Weight	610 gr



PMDP



The PMDP boosts a wide informative display, where readings are easy to be monitored with two 1,5 lt/h peristaltic pumps. The PMDP has the pH priority technology for a more efficient water regulation. Available readings are: pH-Redox and pH-Chlorine



- Backlight LCD Display
- Microprocessor technology
- Available versions:
 - pH-Redox
 - pH-Cl
- Level input for each measure
- Flow sensor input to control the dosage
- Pump flow rate 1,5 l/h -1,5 bar

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 LCD
Accuracy	± 1% E.S.
Controls	Keypad 6 Keys
Level probes	2 level
Temperature compensation	Manual temperature compensation 0-100 °C
Set-point	Control pumps with hysteresis and delay
Level	Two level probe inputs
Flow sensor	1 input for flow sensor
PWM	Programming the pump or relay in such a way proportional to time
Power supply	100... 230 Vac 50Hz
Consumption	7W
Dimensions	274 x 200 x 139 mm
Pump flow rate	1,5 l/h - 1,5 bar (for different flow rate contact the manufacturer)
Weight	1350 gr



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



Foot filter

OPTIONAL



Base Mounting Bracket
for PME series



Base Mounting Bracket
for PM series



SL level probe requires
standard pump
modification



Foot filter with
level probe



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



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



PVDF pump head
complete with ball
valves (ceramic balls)
FPM or EPDM
seals



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

Injection lances



Suction lances



Back plate

Micon Back Plates are ready to be installed solutions with instruments, dosing pumps, filters and probe holders, available as pre fashioned models or tailor made on customer demand.



PMD Back plate



M05 Back plate



M30 Back plate

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
pHs11	00700003	glass	0-14ph	S7	/	max 6 bar	max 60
pHs7	00700012	epoxy	0-14ph	s7	/	max 6 bar	max 60
pHs Hp	00700011	glass	0-14ph	S7	/	max 6 bar	max 130



Redox	code	body material	range	connection	cable lenght	pressure	temperature
mvs 5	00700002	epoxy	+ - 2000mV	BNC	5 m	max 6 bar	max 60
mvs 11	00700004	glass	+ -1000 mV	S7	/	max 6 bar	max 60
mvs 7	00700013	epoxy	+ -2000 mV	S7	/	max 6 bar	max 60
mvs hp	00700014	glass	+ -1000 mV	S7	/	max 16 bar	max 130



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



Conductivity	code	body material	constant	electrod material	cable lenght	connection	temp. comp.	temperature
SCDK1	99210018	PVC	K1	SS316	3 m	1/2" gas	NO	max 50
SCDTK1	99210020	PVC	K1	SS316	3 m	1/2" gas	YES	max 50
SCDLK1	99210052	PVC	K1	SS316	3m	1/2" gas	NO	max 50
SCDK5	99210019	PVC	K5	SS316	3m	1/2" gas	NO	max 50
SCDTK5	99210025	PVC	K5	SS316	3m	1/2" gas	YES	max 50
SCDK1T	99210008	PTFE	K1	SS316	3m	1/2" gas	NO	max 130
SCDTK1T	99210010	PTFE	K1	SS316	3m	1/2" gas	YES	max 130
SCDK5T	99210009	PTFE	K5	SS316	3m	1/2" gas	NO	max 130
SCDTK5T	99210011	PTFE	K5	SS316	3m	1/2" gas	YES	max 130
SCD grafite	99210007	PTFE	K0,8	grafite	3m	1/2" gas	NO	max 130
SCDT grafite	99210013	PTFE	K0,8	grafite	3m	1/2" gas	YES	max 130
SCD3 K1	99210066	PVC with amplifier	K1	SS316	3m	1/2" gas	NO	max 50
SCD3T K1	99210070	PTFE with amplifier	K1	SS316	3m	1/2" gas	YES	max 130
SCD3 K5	99210067	PVC with amplifier	K5	SS316	3m	1/2" gas	NO	max 50



Oxygen	code	range	dimension (mm)	cable lenght	connection	flow rate
OXY1	99210006	0-20mg/l	D=12mm	5m	PG: 15,5 mm	0,03 m/s min



Temperature	code	range	body material	electrod material	cable lenght	connection
STE1	99210006	0-100	PTFE	SS316	3m	1/2" gas
STE2	99210024	0-50	PVC/PTFE	SS316	3m	1/2" gas

TURBIDITY & AMPEROMETRIC CELL



Turbidity	measure range	body	flow rate
STB	0-40 NTU	PVC	15 l/h suggested
	0-200 NTU	-	-
	0-1000 NTU	-	-



SCL0 1

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 8 bar. Suggested flow 40 l/h.
Available with flow sensor housing
and Ph/redox probe holders



SCL0 11

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 8 bar. Suggested flow 40 l/h.
Available with flow sensor housing and pH/redox probe holders.
With flow switch housing (not included)



SCL0 2

Platinum/copper electrodes. Measure range: 0-10mg/Cl2.
Two wires cable, l = 200 cm. Max pressure 8 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).

PROBE HOLDER



PS100

PVC body, in line probe holder for pH/Redox electrode diam Ø 12mm. Connection 1/2" gas



PS300 Immersion probeholder

PVC body diam. Ø 12mm, lenght 70 cm.



PS5

SAN transparent and PP material, with housing for two ph/redox electrodes and flow sensor. Also available in version without flow sensor.



PS200

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



PS201

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



PS01

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



PS402

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

WATER-METER PULSE-SENDER

WMC | Threaded versions

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



model	diameter	pulse/l (*)	code
WMC - 1/2"	1/2"	1	99500011
WMC - 3/4"	3/4"	1	99500012
WMC - 1"	1"	1	99500013
WMC - 1.1/4"	1" 1/4	1	99500014
WMC - 1.1/2"	1" 1/2	1	99500015
WMC - 2"	2"	1	99500016

WMH | Flanged versions

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



model	diameter	pulse/l (*)	code
WMH – DN50	2"	100	99500101
WMH – DN65	2" 1/2	100	99500102
WMH – DN80	3"	100	99500103
WMH – DN100	4"	100	99500104
WMH – DN150	6"	100	99500105

SM | Tanks

Polyethylene tanks.



model	volume (L)	diameter (mm)	height (mm)	code
SM – 100	120	500	680	00720000
SM – 300	325	710	890	00720001
SM – 500	550	885	1000	00720002
SM – 1000	1070	1100	1200	00720003

VM | Safety Basins

Polyethylene safety basins.

model	volume (L)	diameter (mm)	height (mm)	code
VM – 100	120	700	450	00720020
VM – 300	325	900	660	00720021
VM – 500	600	1050	1000	00720022
VM – 1000	1000	1320	980	00720023

AM | Manual mixers

Manual mixers with support. PVC shaft, PVC propeller.



model	shaft (L)	propeller (L)		code
AM-6	600 mm	140 mm		99692030
AM-7	700 mm	140 mm		99692032
AM-8	830 mm	140 mm		99692031

AMV | Fast mixers

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



model	shaft (L)	propeller (D)	motor	code
AMV-6	630 mm	70 mm	0,18 kw 3phases (1 phase on request)	99691000
AMV-7	730 mm	70 mm		99691001
AMV-8	830 mm	70 mm		99691002
AMV-9	930 mm	70 mm		99691003

AML | Slow mixers

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



model	shaft (L)	propeller (D)	motor	code
AML-6	630 mm	200 mm	0,18 kw 3 phase (1 phase on request)	99692000
AML-7	730 mm	200 mm		99692001
AML-8	830 mm	200 mm		99692002
AML-9	930 mm	200 mm		99692003

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