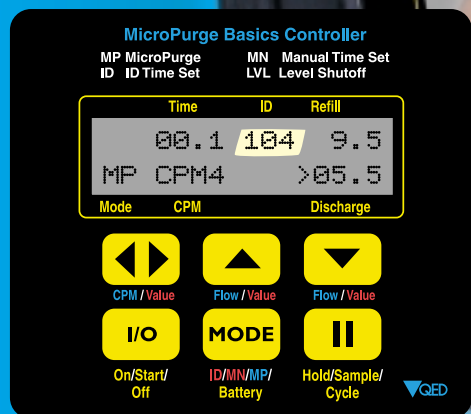


# MICROPURGE<sup>®</sup> basics<sup>™</sup> CONTROLLER

PATENT PENDING



*Simple arrow key control of low flow rates makes purge rate adjustment easy.*

## Expert flow and drawdown control for low-volume purging

The MicroPurge **basics**<sup>™</sup> MP10 Controller revolutionizes low-flow sampling with advanced logic control of purge flow and well drawdown. Simple up-down arrow keys increase and decrease purge flow, driving a microprocessor to re-create expert techniques for low-flow adjustment. Then, optimized settings are identified for recall in the next round of sampling.

The MP10 also offers an easy way to prevent excessive monitoring well drawdown during purging, by linking to the optional MP30 Drawdown/Water Level Meter.

The lightweight, compact MP10 sets the pace for a new generation of genuine MicroPurge basics equipment, **first in control and power for low-flow sampling.**

### MicroPurge<sup>®</sup> basics<sup>™</sup> MP10 Controller Advantages

- Exclusive MicroPurge control mode uses simple arrow keys to adjust low-flow rates easily and repeatedly, using a microprocessor to re-create the flow adjustment strategies used by experienced samplers.
- Connection port allows linking to optional MP30 Drawdown/Water Level Meter, which signals MP10 Controller to enter standby mode if drawdown limit is exceeded.
- Multi-mode digital control includes MicroPurge Mode, ID Mode for repeat events, and manual control.
- Weatherproof controls are housed in a rugged, compact (10-3/4" x 9-3/4" x 5") case.
- Full digital display of all setting and status information.



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# MICROPURGE® basics™ MP10 CONTROLLER

## Simple, stable, repeatable flow rate setting

The MP10 puts you in control of the most advanced low-flow sampling system ever made. You will purge and sample quickly and easily, with precise, steady low-flow pumping rates from one sampling event to the next. QED's new **basics** equipment is also designed to take advantage of the opportunities for downsized equipment, which is lighter and more portable, reduces equipment cost and increases sampling crew productivity. Simplified, sealed electronics are put together in a design that delivers famous QED durability and value.

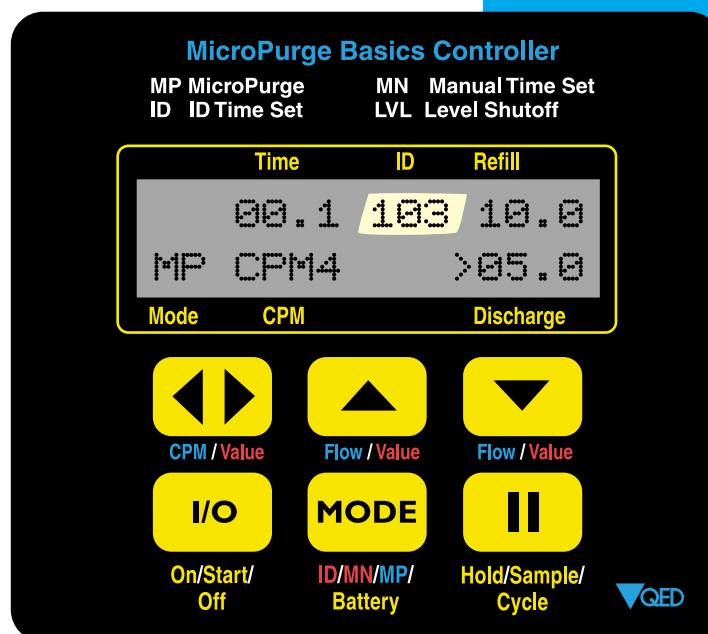
MicroPurge **basics** controllers can be connected to the MP30 Drawdown Meter for optional Automatic Drawdown Control, an industry first.

## Multi-mode digital control

The MP10 gives you three easy-to-use operating modes, to cover every sampling protocol and situation.

- **MicroPurge (MP) Mode** quickly optimizes control settings to reach the desired pump flow rate. You don't have to worry about calculating pump cycles or refill and discharge times.
- **ID Mode** instantly recalls optimized settings previously established for each well, providing precise, consistent performance from event to event.
- **User Set (MN) Mode** provides manual control of pump operation for extreme depths and other special cases.

## HOW IT WORKS



Pressing the UP Arrow increases the pump flow in controlled steps.



The DOWN Arrow Key decreases the flow rate in controlled steps.

### MicroPurge Mode Quick Guide

1. Press **I/O** key to turn power ON.
2. Select desired Cycles Per Minute (CPM) with the **◀▶** key (default value is 4 CPM).
3. Turn throttle to set depth on gauge to 10 - 20 feet deeper than the pump location in the well.
4. Press **I/O** again to START pumping.
5. When water discharge begins, adjust throttle until a slow, steady flowstream is achieved.
6. Press **▲▼** keys to set the desired purge flow rate.
7. To collect samples, continue purge flow, or use **||** key to directly control sample flow and pause.



The LEFT/ RIGHT Arrow Key adjusts the Cycles Per Minute (CPM) of your pump.



The ID Number changes when an UP or DOWN Arrow is pressed. This number can be used in ID Mode to recall the setting for the next sampling round.



The I/O Key steps through the sequence of On-Start-Off.



The MODE Key changes modes from default MP (MicroPurge) to ID Mode to MN (User Set) Mode. This key also allows battery check.



Pressing the PAUSE Key puts the controller in HOLD Mode, stopping flow. A second press delivers push button controlled vial filling. A third press returns the system to normal cycling.

Can be used with any bladder pump system, with the use of simple adapters

## MICROPURGE CONTROLLER SPECIFICATIONS

### System Specifications:

Model No.:	MP10
Dimensions:	10-3/4"x9-3/4"x5" (27x25x13 cm)
Weight:	5.5 lbs (2.5 kg)
Case Material:	Structural Resin
Keypad:	6 Keys
Display:	2 Line, 16 Character / LCD Display
Power:	3 "AA" batteries
Battery Life:	50,000 Cycles @ 70°F (21°C)
Max. Pressure:	120 PSI (8,275 kPa)
Max. Pump Depth:	250 Feet (76 m)
Operating Temperature:	-20 - 150°F (-29 - 66°C)
Connection to MP30 Drawdown Meter	Heavy-duty cable (supplied with MP30)