microComponents ᵐ

Bartels Electronics

New entry in the electronics product family – the mp-x.sense sensor control

To operate the mp6 micropump you can use the micropump control mp-x.sense now.

Whereas the previous model requires setting all parameters of the pump manually, the new mp-x.sense has an internal control which keeps the flow rate of the connected pump at a given value.

This is accomplished by a continuous measurement of the flow rate by a connected sensor. The measured value is fed back to adjust the voltage.
In addition the sensor based controlling can be disabled and the voltage can be set by the buttons on the front. So it will continue to be possible to control the pump in manual mode.

You also can connect the micropump control mp-x.sense via USB-port with a PC. It's possible to control it manually with the NI LabVIEW interface and to add more elements to your control.

The case of the new mp-x.sense complies with the case of the old one and therefore they are stackable.

The mp-x.sense at a glance:
- ❖ PC-control via USB possible
- ❖ automatable measuring routines
- ❖ sensor based continuous measurements
- ❖ LabVIEW routines available

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Technical Data of the mp-x.sense

mp-x.sense controller	Order code: mp-x.sense
mp-x.sense controller with internal sensory feedback control	
Dimensions	7.5 x 16 x 20 cm 2.983 x 6.299 x 7.874 in.
Weight	ca. 800 g
Pumping media	liquids, gases[1]
Adjustable parameters[2]	same as the mp-x controller
Adjustable parameters[3]	volume flow
Power supply	mains adaptor
Current consumption	t.b.d.
USB-Port	one
connectable micropumps	mp6, mp6-AIR, mp6-pp, mp6-PI: 1x

[1] depends on the applied sensor

[2] at mp-x modus (not flow control)

[3] at flow control modus