



# uMc automated pressure control

Designed for automation in neuroscience



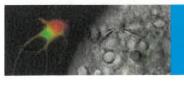
Automate frequent tasks in patch clamp recordings. Make experiments more reproducible.

Fully integrated - allowing easy setup and control from either the touch screen unit or through the SDK for advanced automation.

Closed-loop control - bringing the accuracy and repeatability required for reproducible and reliable results.

Full control - fast switching between different pre-set pressure levels as well as to user applied pressure allows for the highest possible control over your work.

**Compact** - with no need for 19" rack mounted devices or controllers, the uMc range is compact and easy to position around your existing setup.



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# uMc automated pressure control

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## uMc-PPC - automated patch clamp range

The uMc-PPC pressure controllers are designed to simplify and automate frequent tasks in patch clamp experiments, while enabling more reproducible experiments. From forming a seal, over breaking into a cell, to automatic cleaning of patch pipettes.

#### **Specifications**

**Channel number:** 

2, 4, or 8 as desktop units

Pressure range: **Resolution:** 

up to ±100 kPa range 10 Pa

Absolute accuracy: Repeatability:

0.75% FS





#### uMc-CLN - pipette cleaning range

When full automation of patching is not needed, the uMc-CLN pressure controllers are designed to make automatic cleaning of patch pipettes fast and easy. Making it possible to patch up to 100 cells without changing the pipette.

#### **Specifications**

**Channel number:** Pressure range:

2, 4, or 8 as desktop units





#### uMc-PRF-VAC - pressure pre-regulator

The uMc-PRF-VAC is designed to allow preregulation of pressure and vacuum generation. A pressurised supply is required.

### **Specifications**

Require input pressure:

+400 kPA

Require vacuum:

n/a

Output pressure range:

±80 kPa



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