

Mini Controllers



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Comparison Chart

Part Number	Range	Accuracy	Probe	Calibration	Page
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pH Mini Controllers

BL 981411	0.0 to 14.0 pH	±0.1 pH	HI 1001	1 point (offset)	S5
BL 931700	0.00 to 14.00 pH	±0.02 pH	HI 1001	2 point (offset/slope)	S6

ORP Mini Controllers

BL 982411	0 to 1000 mV	±5 mV	HI 2001	1 point (offset)	S7
BL 932700	-1000 to +1000 mV	±5 mV	HI 2001	1 point (offset)	S8

EC Mini Controllers

BL 983313	0 to 1999 μ S/cm	±2% F.S.	HI 7634-00	1 point	S9
BL 983320	0.0 to 199.9 μ S/cm	±2% F.S.	HI 7634-00	1 point	S9
BL 983322	0.00 to 19.99 μ S/cm	±2% F.S.	HI 7634-00	1 point	S9
BL 983317	0.00 to 10.00 mS/cm	±2% F.S.	HI 7632-00	1 point	S10
BL 983327	0.00 to 10.00 mS/cm	±2% F.S.	HI 7632-00	1 point	S10

TDS Mini Controllers

BL 983315	0.0 to 199.9 ppm	±2% F.S.	HI 7634-00	1 point	S11
BL 983319	0 to 1999 ppm	±2% F.S.	HI 7634-00	1 point	S11
BL 983321	0.00 to 19.99 ppm	±2% F.S.	HI 7634-00	1 point	S11
BL 983329	0 to 999 ppm	±2% F.S.	HI 7634-00	1 point	S11
BL 983318	0.00 to 10.00 ppt	±2% F.S.	HI 7632-00	1 point	S12
BL 983324	0.0 to 49.9 ppm	±2% F.S.	HI 7634-00	1 point	S13

Resistivity Mini Controllers

BL 983314	0.00 to 19.90 M Ω /cm	±2% F.S.	HI 3314	factory calibrated	S14
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Level Controllers*

Part Number	Level Adjustment	Level Indication	Transmission	Transmitter	Sensing Bars	Page
HI 7871	high, low	high, low	max 100 m	HI 7874	3	S15
HI 7873	high, low, over	high, low, over	max 100 m	HI 7874	4	S15

* These instruments work with the HI 7874 level transmitter (for specifications, see page S16).

Mini Controllers

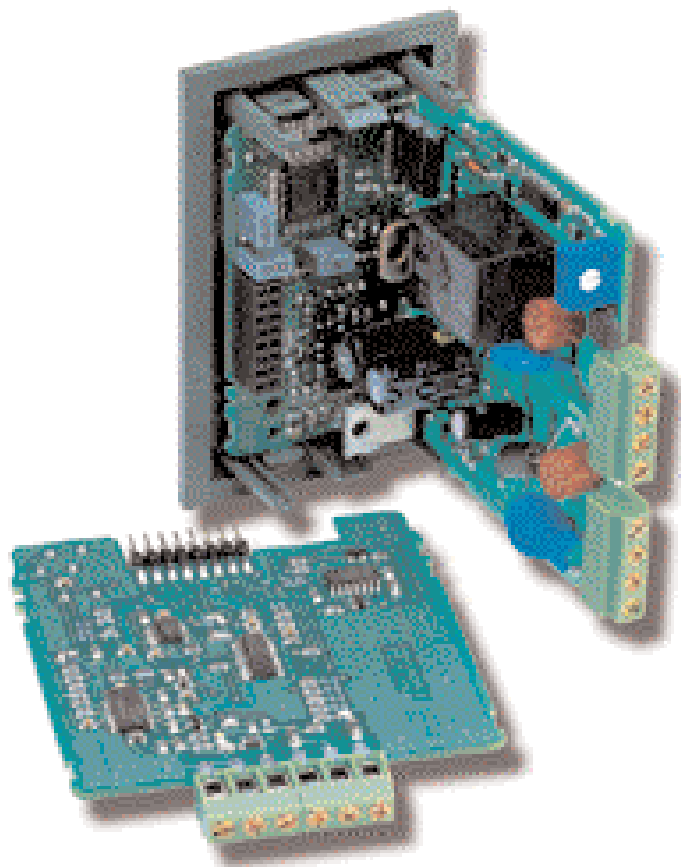
Accurate and Simple to Install

Traditionally, process monitoring has required considerable investment in system design, equipment, maintenance and training. With our mini controllers, we are able to offer a solution for industries that have to monitor a process economically. **HANNA** instruments' mini controllers are easy to use and allow accurate continuous monitoring and control of pH, ORP, TDS, EC, Resistivity and Level. These compact, in-line instruments are designed to consistently perform in most environments and conditions.

Our line of simple-to-operate controllers have been specially designed for hydroponics, swimming pools or applications where space or cost are a major concern. Thanks to their compact size, they can be mounted in confined spaces and right next to tanks or vats. The low cost of the meter will also make it possible for processes that up to now were manually maintained to be controlled automatically, saving considerable time and money.

Our redesigned mini controller series features a larger LCD for easy reading, manual output control for simple maintenance, overtime control system and a multicolored LED to indicate meter condition (measurement, dosing or alarm mode).

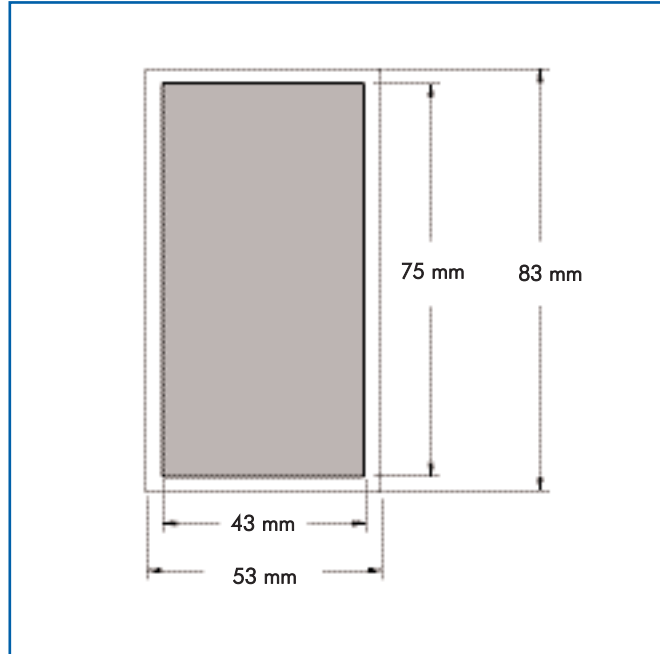
Finally, the **BL 931700** and **BL 932700** models are provided with 4-20 mA analog output and input for remote control disabling.



Mechanical Dimensions for Mini Controllers

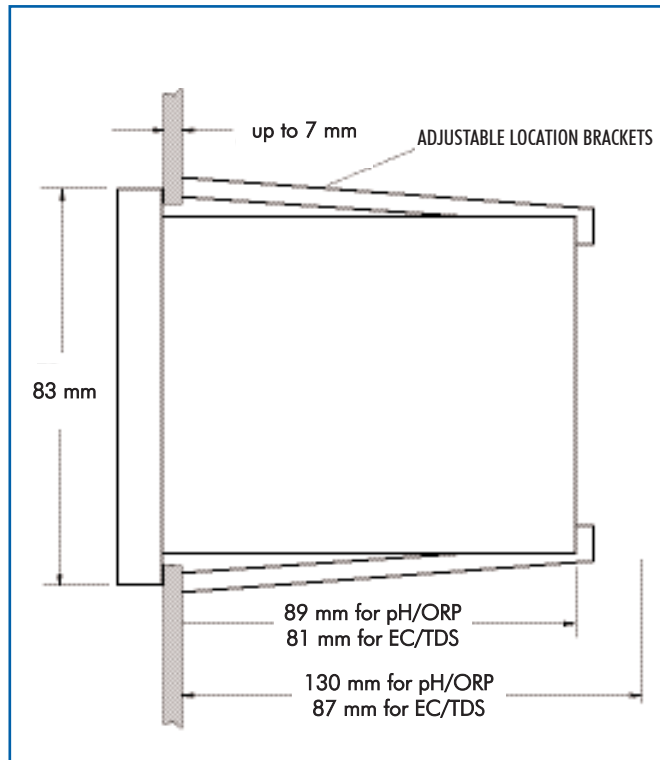
Front View

Front view of the panel-mounted units. Dimensions show the cutout size for installation and also the outside dimensions of the panel.



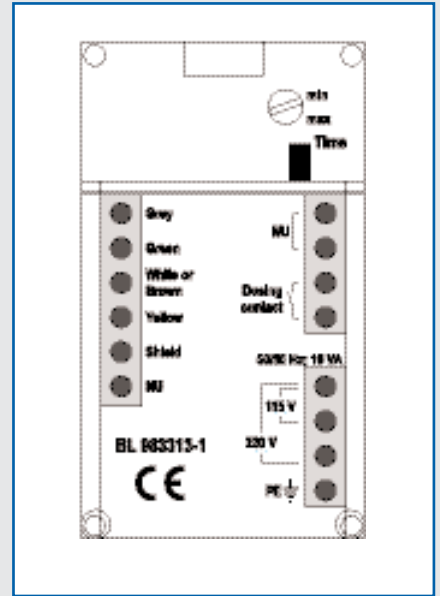
Side View

Side view of panel-mounted controllers. Adjustable location brackets allow the controller to slide into the cutout and will hold the unit securely in place. 130 or 87 mm (depending on model) is the minimum amount of room required to install the meter with all wiring.



Rear View

Rear view of the BL 98313-1 with electrical connections.



Rear View

Rear view of the BL 931700-1 with electrical connections.

