



ION6000 Controller With USB Feature



ION800 Controller

## Ion Selective Electrode Analyzer

High accuracy and reliable Ion Selective Electrode (ISE) online analyzer and suitable for all types of ISE electrodes measurement.

## Applications



**Process Water**



**Municipal Water**



**Drinking Water**



**Disinfection**



**Wastewater**



**Agriculture**

## In A Glance...

Leadtec ION6000 & ION800 controllers offer an unrivaled user friendliness in measurement of Ion Concentration with Ion Selective Electrodes (ISE). Its minimalistic design offers the most convenient operation than any analyzers.

The operation and calibration can be performed easily with a friendly step-by-step interface.

From wastewater applications to disinfection, our controller is very practicable in many situations thanks to flexibility for different ranges of measurement.

Besides, the controller is well-equipped with analogue output and Field Bus Connection RS-485 communication.

## Benefits

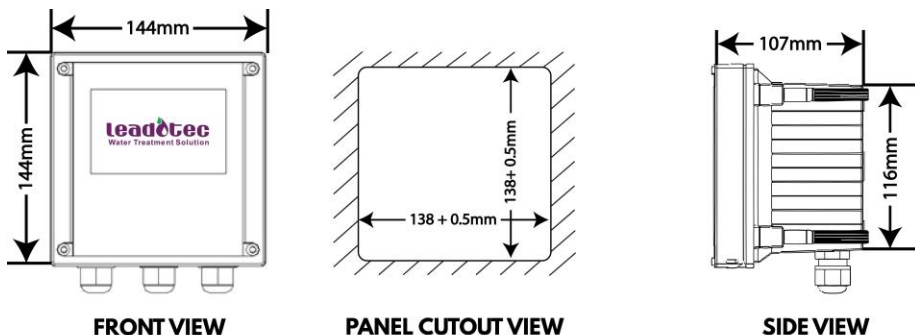
- ❖ Robust & reliable: Highest level of waterproof and dustproof analyzer for site measurement and easy installation.
- ❖ Less is more; Having just the essential features are better than having way too much of superfluous things.
- ❖ Intuitive operation; Step-by-step navigation facilitates the user to configure the analyzer and calibrate the sensor.
- ❖ Clean-cut display; Neat and organized functions allow zero hassle operation.

# Specifications

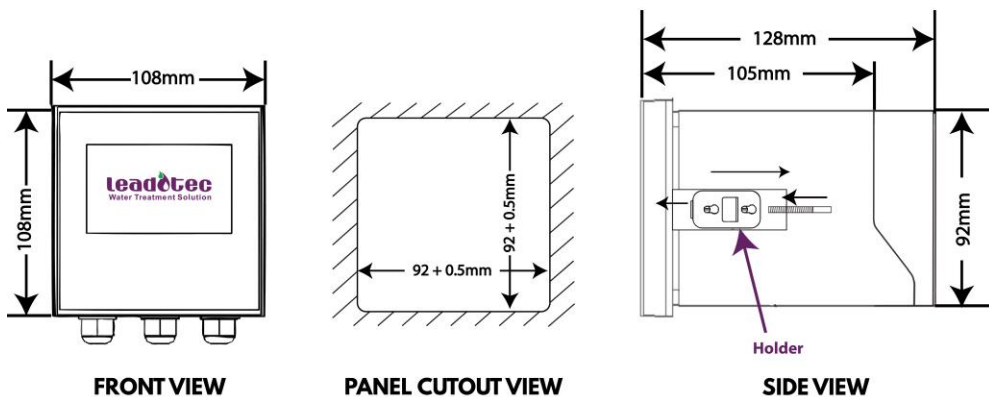
<b>Measuring Range</b>	0.00 – 20.00 ppm 0.00 – 20,000 ppm	<b>Relay Delay</b>	0 to 120 seconds
<b>Resolution</b>	0.01 (<1 ppm) 0.1 (<10 ppm) 1 (>10 ppm)	<b>Fieldbus Connection</b>	RS-485 Modbus
<b>Accuracy</b>	±0.01 ppm (<1 ppm) ±0.1 ppm (<10 ppm) ±1 ppm (>10 ppm)	<b>Baud Rate</b>	9600 / 19200 / 38400
<b>Temperature Probe</b>	Pt 1000 / NTC 10K	<b>Protection Class</b>	IP65
<b>Temperature Range</b>	-10.0°C to +130.0°C	<b>Display</b>	LCD dot matrix
<b>Temperature Resolution</b>	0.1°C	<b>Language Selection</b>	English Others upon request
<b>Temperature Accuracy</b>	±0.2°C	<b>Electrical Connection</b>	90 to 260 VAC or 24 VDC Power consumption <5W
<b>Ambient Temperature</b>	0°C to +70°C	<b>Data Logging Capacity</b>	500,000
<b>Input Impedance</b>	>10 <sup>12</sup> Ω	<b>USB Function (ION6000 only)</b>	Data extraction Software update
<b>Analogue Output</b>	2 x 4-20mA electrically isolated, Max load 500Ω  <b>Current 1</b> Ion  <b>Current 2</b> Temperature	<b>Dimensions</b>	<b>ION6000</b> 144(H) x 144(W) x 105(D) mm  <b>ION800</b> 108(H) x 108(W) x 140(D) mm
<b>Control Outputs</b>	2 x Relay Outputs 1 x Multifunctional Relay	<b>Panel Cutout</b>	<b>ION6000</b> 138 x 138 mm  <b>ION800</b> 92 x 92 mm
<b>Max. Relay Contacts Capacity</b>	5A/250 VAC 5A/30 VDC	<b>Weight</b>	<b>ION6000</b> 0.85 kg  <b>ION800</b> 0.55 kg
<b>Cleaning Setting</b>	ON : 1 to 1000 seconds OFF : 0.1 to 1000.0 hours	<b>Installation</b>	Panel / Wall / Pipe mount
<b>Multifunctional Relay</b>	Clean / Period Alarm / Error Alarm		

# Dimensions

6000 Series



800 Series



Design outlook subjected to change without prior notice.

Dimensions of ION6000 and ION800

# Order Code

Part No.	Description
ION6000	Ion Selective Electrode IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 90~260 VAC
ION800	Ion Selective Electrode IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 90~260 VAC
ION6000-24VDC	Ion Selective Electrode IP65 Panel / Wall / Pipe mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, RS-485 Modbus, and 1 x USB slot for data extraction and software update. Power supply: 24 VDC
ION800-24VDC	Ion Selective Electrode IP65 Panel mounted base analyzer fitted with 2 x 4-20mA, 2 x relay outputs, 1 x multifunctional relay, and RS-485 Modbus. Power supply: 24 VDC