Ultrameter II

300 Words

Myron L® Company Ultrameter II 6PFCE

The 6PFCE features a comprehensive suite of in-situ water quality analysis tools designed to replace more costly and less convenient laboratory equipment.

A true one-handed instrument, the 6PFCE delivers Conductivity, Resistivity, TDS, pH, ORP, Free Chlorine Equivalent (FCE™), and Temperature readings quickly and easily with the press of a button.

Unlike other similar meters, 6PFCE Conductivity and TDS functions allow you to select the solution type used to model the solution under test: KCl; NaCl; Myron L’s own 442 Natural Water™ Standard; or USER, programmable by you to model a known solution. The result is benchtop accuracy of ±1% of reading in a handheld instrument. Accuracy increases to ±.1% of reading at calibration point. Temperature compensation is automatic to 25°C or can be disabled by the user as required. Autoranging capabilities provide increased reading resolution across a broad range of applications.

pH readings are also temperature compensated, and you can choose to perform a 1-, 2-, or 3-point calibration depending on the range of samples measured to achieve ±.01pH accuracy. The pH sensor is of a proprietary construction and includes a large potassium chloride solution reservoir for long life. Myron L pH sensors are also user replaceable.

ORP measurements utilize a 99.9% pure platinum electrode and a reference junction that is shared with the pH sensor. 6PFCE ORP reading accuracy is ±1 millivolt.

In addition, the 6PFCE features a groundbreaking new way to determine Free Available Chlorine based on a predictive ORP value. Empirical readings of the chemical activity of a solution are made without the hassle and subjectivity of colorimetric and test-strip methods.

Calibration and maintenance are simple, so the 6PFCE can be serviced by the user. The 6PFCE is also IP67 dust-tight and waterproof, NEMA 6 submersible, and buoyant. Plus, Myron L service and technical support are included for the life of the product.

**Features:**

* 3 solution standards for greatest accuracy in diverse applications.
* Fully automatic temperature compensation.
* User adjustable temperature compensation (up to 9.99%/°C) which also allows TC to be disabled for applications requiring non-compensated readings.
* User adjustable conductivity/TDS conversion ratio for greater accuracy when measuring solutions not contained in the microprocessor.
* Auto-shutoff maximizes the life of the single 9V battery to more than 100 hours/5000 tests.
* Non-volatile microprocessor provides data back-up, even when the battery is changed. This assures all calibrations and memory data will be retained.
* Extended life pH/ORP sensor is user replaceable in the field.

**Applications:**

* Irrigation Water
* Hydroponics
* Laboratories
* Homeland Security
* Reverse Osmosis
* Deionization
* Wastewater
* Cooling Towers
* Environmental
* Desalination
* Fountain Solutions