

ISFET pH Meters - Laboratory Unit

Features

- Non Glass completely submersible probes resist breakage. Ideal for food.
- pH buffer recognition NIST, DIN, JIS
- Stores dry no maintenance required.
- Accurate even on a single droplet.
- Auto/manual temperature compensation.
- EPA approved method. GLP compliant instruments
- Rechargeable long life battery.
- Rugged molded case sealed and completely water tight IP 65 rating (Argus) and IP67 rating (Argus X).
- Ideal for field work, agriculture, water etc.
- pH, temperature and mV displayed on bright LCD screen along with probe status and help information.

Sentron Titan pH Meter

The Sentron Titan series pH meters are designed for use with the matching range of ISFET pH probes. The combination makes a very accurate, extremely rugged pH system suitable for any pH application.



These instruments are meant for laboratory and quality control applications and feature extensive data logging and data export capabilities. The meters feature ease of use with a bright clear LCD display membrane key pad. Help instructions on the screen help guide you in using the instrument and present useful information about probe and battery status. There are two types of meter. Both provide the same range and accuracy for pH measurements and both instruments will operate with the full range

of ISFET pH probes.

The standard is the Titan which includes data logging of pH and temperature and a nine digit sample ID. The advanced unit the Titan X also includes extended data logging capability with time and date stamp. Titan X has an automatic timer for

unattended measurements. You can program start, stop and interval times. Titan X satisfies all the requirements of GLP (Good Laboratory Practice). All monitored data including calibration can be logged and recalled to the screen or output to a printer or PC.

Model	Titan T6000-001	Titan X T6100-001
	Laboratory pH meter with data logging	Laboratory pH meter with automatic data logging interval timer. RS232 outputs
Measuring range	0 - 14 pH, 0 - 60 degs C, -5 - 105 degs C probe dependent	
Display	LCD graphics pH / mV / Temperature & warning codes - Titan X has a backlit LCD display	
ATC	ATC Automatic temperature compensation 0 - 60 degs C.	
pH	0 - 14 pH +/- 0.01%	
Relative accuracy	+/- 0.01 % + LSD at 2 or 3point calibration +/- 0.1 at 1 point calibration	+/- 0.01 % + LSD at 2 ,3 or 5 pt calibration +/- 0.1 at 1 point calibration
temperature	Temp +/- 0.1 C	Temp +/- 0.1 C
Resolution	pH 0.1.....0.01 selectable, temperature 0.1 deg C	
Calibration - auto buffer recognition	1, 2 or 3 points	1, 2 ,3 or 5 points
Buffer tables	NIST, DIN JIS, NIST traceable . (+ 1 user defined set for Titan X)	
Data Logging	Up to 300 measurements of pH and temp	and date, time, start, interval and duration
Outputs	none	RS232 and 500 mV/ph analogue out
Temperature	Ambient operating temperature 0 - 50 degrees C, RH 85%	
Probe Weight	2 ozs	
Probe Dimensions	09.38" x 8.0" (9.5 mm x 203 mm)	
Power Supply	Built in rechargeable battery with adaptor	



Standard probe tip used with a droplet. Droplets can be as small as 20 microliters

Standard Redline Probes

The Redline probes are the standard general purpose probes suitable for most applications.



Type - Non flow Gel
Temp Range - 0 to +60 deg C
pH - 0 - 14

Standard tip	T2008-008
Cone tip	T2080-008
Surface tip	T2090-008
Lance tip	T2070-008
Lance Handle	T2074-008

High Temperature Hotline Probes

The Hotline probes are suitable for high temperature applications up to 105 degrees C



Type - Non flow Gel
Temp Range - 5 to +105 deg C
pH - 0 - 14

Standard tip	T3000-008
Surface tip	T3090-008
Cone tip	T3080-008

Streamline Flowing Reference Probes

The streamline probes use a refillable liquid reference solution making them ideal for low ionic strength liquids or sample that have low moisture.



Type - Refillable flow
Temp Range - 5 to +105 deg C
pH - 0 - 14

Cone tip	T4080-108
Surface tip	T4090-108

Use the standard tips for general purpose applications such as dropping sample onto the probe or placing the probe in a beaker.
Use the Cone tip for pushing the probe into pastes, soil mud and similar semi solid materials.
Use the Surface tip for measuring on surfaces where the probe is held perpendicular to the surface (the sensor is on the flat end).
Use the Lance tip for inserting the probe into semi - solids such as meat. The handle ensures a strong safe grip on the probe.



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