

HEAVY-DUTY, PORTABLE METERS

FOR THE TOUGHEST OF APPLICATIONS

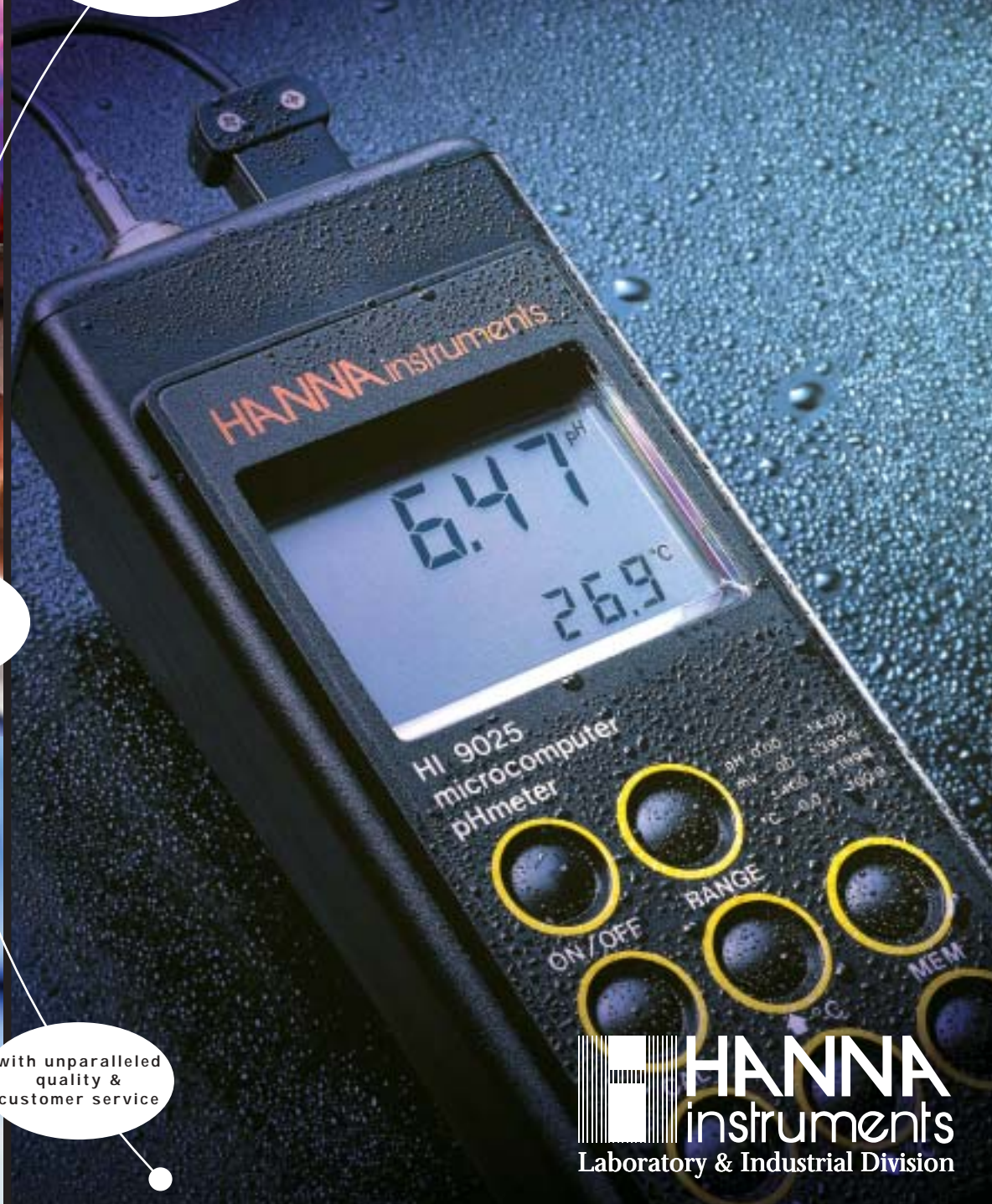
VERSATILE INSTRUMENTS FOR LAB AND FIELD USE

ISO 9001 CERTIFIED

Professional
instruments

that are
durable &
rugged

with unparalleled
quality &
customer service



 **HANNA**
instruments
Laboratory & Industrial Division

pH/°C Waterproof Meter

HI 991000



- **Stability Indicator**
The LCD shows when the pH electrode has stabilized and the reading is most accurate.
- **Automatic Calibration**
Choose between five memorized buffers to automatically calibrate the instrument.
- **Automatic Temperature Compensation**
With ATC, pH readouts are always accurate and precise.

ADD A **SHOCKPROOF RUBBER BOOT** FOR MAXIMUM IMPACT PROTECTION!



SPECIFICATIONS

Model	HI 991000	
Range	pH	0.00 to 14.00
	°C	0.0 to 60.0
Resolution	pH	0.01
	°C	0.1
Accuracy (@20°C/68°F)	pH	±0.01
	°C	±0.5
Temp. Comp.	Automatic from 0 to 60°C (32 to 140°F)	
Battery Type/Life	4 x 1.5V/approximately 1000 hours of continuous use.	
Weight/Dimensions	210 g (7.5 oz.)/150 x 80 x 28 mm (5.9 x 3.1 x 1.1")	

ORDERING INFORMATION

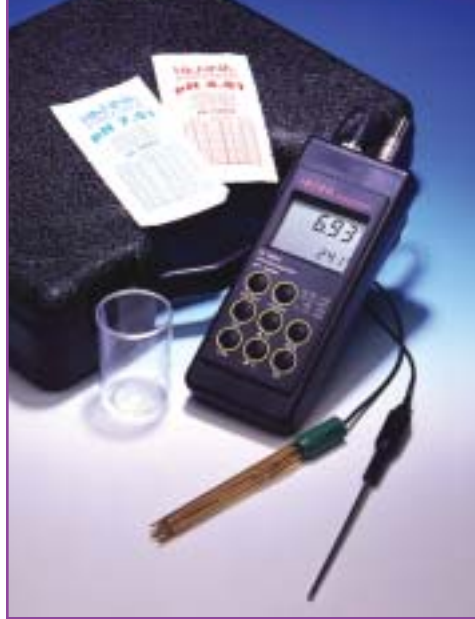
HI 991000 is supplied complete with HI 1291 pH/°C electrode, 4 x 1.5V batteries, and carrying case.

RECOMMENDED ACCESSORIES

HI 1291	pH/°C electrode with amplifier
HI 710004	Soft carrying case
HI 710007	Blue shockproof rubber boot
HI 710008	Yellow shockproof rubber boot
HI 7004L	pH 4.01 buffer solution, 500 mL
HI 7007L	pH 7.01 buffer solution, 500 mL
HI 7010L	pH 10.01 buffer solution, 500 mL
HI 77400P	Cal. kit (pH 4 & 7, 20 mL, 5 pcs each)
HI 70300L	Storage solution, 500 mL
HI 76405	Electrode Holder

pH/°C & pH/mV/°C Waterproof Meters...our most popular!

HI 9024C & HI 9025C



- **READY Function**
To ensure your subsequent measurements are accurate, these meters will only allow calibration when the electrode has stabilized.
- **Rugged, Waterproof Construction**
The ABS housing provides the instrument with optimum protection from harmful environments.
- **Dual-level Display with Graphic Symbols**
A dual-level display shows pH (or mV) and temperature at the same time. Graphic symbols guide the user through the calibration process.
- **Automatic Temperature Compensation**
With ATC, pH readouts are always accurate and precise.

HI 9024C & HI 9025C are microprocessor-based pH meters housed in waterproof casings. HI 9024C measures pH and °C. The HI 9025C measures pH and °C as well as ion concentration and ORP in the mV range.

The Auto-Instruction feature guides the user step-by-step through the calibration process with graphic symbols. Unlike conventional microprocessor pH meters that offer only the standard pH buffer solutions of 4.01, 7.01 and 10.01 for calibration, these meters also allow calibration at the important NBS (NIST) buffers of 6.86 and 9.18. Because the electrode requires a certain amount of time to stabilize between buffers, the meter will display the READY symbol only when the electrode has stabilized. The powerful HI 9024C/HI 9025C will allow 1 or 2 point calibration using any of the 5 memorized buffers.

SPECIFICATIONS

Model	HI 9024C		HI 9025C	
Range	pH	0.00 to 14.00	0.00 to 14.00	
	mV	-	±399.9 (ISE); ±1999 (ORP)	
	°C	0.0 to 100.0	0.0 to 100.0	
Resolution	pH	0.01	0.01	
	mV	-	0.1 (ISE); 1 (ORP)	
	°C	0.1	0.1	
Accuracy (@20°C/68°F)	pH	±0.01	±0.01	
	mV	-	±0.2 (ISE); ±1 ORP	
	°C	±0.5	±0.5	
Temperature Compensation	Automatic or manual from 0 to 100°C (32 to 212°F)			
Battery Type/Life	4 x 1.5V AA/approximately 400 hours of continuous use			
Weight/Dimensions	425 g (15 oz.)/196 x 80 x 60 mm (7.7 x 3.1 x 2.4")			

ORDERING INFORMATION

HI 9024C and HI 9025C is supplied complete with HI 1230B double-junction pH electrode with BNC and 1 m (3.3') cable, HI 7669/2W temperature probe with 1 m (3.3') cable, 4 x 1.5V AA batteries, & pH 4 & 7 buffers in a rugged case.

RECOMMENDED ACCESSORIES

HI 1230B	Combination pH electrode	HI 7009L	pH 9.18 buffer solution, 500 mL
HI 3230B	Combination platinum ORP electrode	HI 7010L	pH 10.01 buffer solution, 500 mL
HI 7669/2W	Temperature probe	HI 70300L	Storage solution, 500 mL
HI 7004L	pH 4.01 buffer solution, 500 mL	HI 77400P	Cal. kit (pH 4 & 7, 20 mL, 5 pcs each)
HI 7006L	pH 6.86 buffer solution, 500 mL	HI 931001	pH and ORP electrode simulator
HI 7007L	pH 7.01 buffer solution, 500 mL	HI 76405	Electrode holder

Printing & Logging pH/mV/°C Portable Meters

HI 98230 & HI 98240



- **Backlit LCD**
Both meters feature a dual-level backlit LCD with graphic symbols which facilitates operation in dimly lit locations.
- **Computer Capability**
Stored data can also be downloaded to a PC with a standard RS232 serial connection with Hanna's infrared adapter and Windows® compatible software.
- **Automatic Temperature Compensation & Automatic Calibration**

SPECIFICATIONS

Model	HI 98140 & HI 98240	
Range	pH	-4.00 to 19.99
	mV (HI98240 only)	±400.0 mV (ISE); ±2000 mV (ORP)
	°C	-20.0 to 120.0
Resolution	pH	0.01
	mV (HI98240 only)	0.1 mV (-400 to +400 mV); 1 mV (outside)
	°C	0.1 (-10 to 120)
Accuracy*	pH	±0.01
	mV (HI98240 only)	±0.2 mV (-400 to +400 mV); ±2 mV (outside)
	°C	±0.4 (0 to 70); ±1 (outside)
Temp. Comp.	Automatic or manual -10 to 120°C (15 to 248°F)	
Printing/Logging Interval	Selectable from 1, 2, 5, 10, 15, 30, 60, 120 and 180 minutes	
Power Supply	4 x 1.5V AA / approx. 350 hours of continuous use (without backlight) or 12 VDC adapter (included)	
Weight/Dimensions	17.6 oz. (500 g)/220 x 82 x 66 mm (8.6 x 3.2 x 2.6")	

*(@20°C/68°F)

ORDERING INFORMATION

HI 98230 and HI 98240 are supplied complete with HI 1618D intelligent electrode with built-in temperature sensor, DIN, 1 m (3.3") cable, 12VDC adapter, pH 4.01/7.01 buffer solutions, cleaning solution, 5 rolls of printer paper, batteries, and hard carrying case.

RECOMMENDED ACCESSORIES

HI 1618D	Intelligent pH electrode
HI 3619D	Intelligent ORP electrode (glass)
HI 3620	Intelligent ORP electrode (Ultem®)
HI 7004L	pH 4.01 buffer solution, 500 mL
HI 7007L	pH 7.01 buffer solution, 500 mL
HI 7010L	pH 10.01 buffer solution, 500 mL
HI 92000	Windows® compatible software
HI 9200/9	9-pin infrared transmitter for PC
HI 710034	10 rolls of printer paper

Waterproof pH/°C & pH/mV/°C meters with Intelligent Electrode & Logging Capabilities

HI 98140 & HI 98150



- **Backlit LCD**
The HI 98140 & HI 98150 feature a dual-level backlit LCD which facilitates operation in dimly lit locations.
- **Dual-level display with Graphic Symbols**
Graphic symbols and messages on the LCD guide the user through calibration and measurement procedures.
- **Waterproof with Automatic Temperature Compensation & Automatic Calibration**
- **RS232 Compatible**
- **Extended pH Range**

The HI 98140 and HI 98150 feature the latest in innovations from Hanna Instruments. These meters feature an amplified "intelligent" electrode that stores calibration information including date, time, and buffers used. This GLP (Good Laboratory Practice) information is analyzed by the meter and will indicate abnormal probe conditions and when enabled, prompt for recalibration at programmed intervals. This feature is especially useful for ISO and quality control compliance.

Both meters feature a rugged waterproof casing, backlit LCD, log on demand (up to 500 measurements), RS232, extended pH range (-4.00 to 19.99), automatic calibration, and automatic temperature compensation. The HI 98150 displays mV readings when using optional ORP electrodes.

SPECIFICATIONS

Model	HI 98140		HI 98150	
Range	pH	-4.00 to 19.99	pH	-4.00 to 19.99
	mV	-	mV	±400.0 mV (ISE); ±2000 mV (ORP)
	°C	-20.0 to 120.0	°C	-20.0 to 120.0
Resolution	pH	0.01	pH	0.01
	mV	-	mV	0.1 mV (-400 to +400 mV); 1 mV (outside)
	°C	0.1 (-10 to 120°C)	°C	0.1 (-10 to 120°C)
Accuracy (@20°C/68°F)	pH	±0.01	pH	±0.01
	mV	-	mV	±0.2 mV (-400 to +400 mV); ±2 mV (outside)
	°C	±0.4 (0 to 70°C); ±1 (outside)	°C	±0.4 (0 to 70°C); ±1 (outside)
Temperature Compensation	Automatic from -20 to 120°C (-4 to 248°F)			
Logging Function	Up to 500 measurements with log-on-demand			
Power Supply	4 x 1.5V AA / approx. 300 hours of continuous use (without backlight) or 12 VDC adapter (included)			
Weight/Dimensions	17.6 oz. (500 g)/196 x 80 x 60 mm (7.7 x 3.1 x 2.4")			

ORDERING INFORMATION

HI 98140 and HI 98150 are supplied with HI 1618D intelligent electrode with built-in temperature sensor, DIN, 1 m (3.3") cable, 12 VDC adapter, pH 4.01/7.01 buffer solutions, cleaning solution, batteries, and hard carrying case.

RECOMMENDED ACCESSORIES

HI 1618D	Intelligent pH electrode	HI 7007L	pH 7.01 buffer solution, 500 mL
HI 3619D	Intelligent ORP electrode (glass)	HI 7010L	pH 10.01 buffer solution, 500 mL
HI 3620	Intelligent ORP electrode (Ultem®)	HI 70300L	Storage solution, 500 mL
HI 76405	Electrode Holder	HI 92000	Windows® compatible software
HI 7004L	pH 4.01 buffer solution, 500 mL	HI 920011/9	9-pin cable for PC

pH/Conductivity/TDS/Temperature Waterproof Megameter

HI 991300 & HI 991301



- 4 Instruments in 1
pH, conductivity, TDS, and temperature all in one meter with a single probe.
- Waterproof
These meters are housed in a compact, waterproof IP67 rated case.
- Tailor made
Customize pH/EC calibration, select EC/TDS conversion factor, and temp. coefficient. Choose the temp. scale that best fits your application.
- Extractable Fiber Junctions
Prolong the life of your electrodes!

ADD A **SHOCKPROOF**
RUBBER BOOT FOR MAXIMUM
IMPACT PROTECTION!



Hanna offers you a choice of two instruments to meet your water testing requirements. The HI 991300 and HI 991301 offer you the combination of pH, conductivity, TDS, and temperature measurements in °C or °F. To increase accuracy, you can select the instrument that works best with your range of measurement.

With only two buttons, the user can select testing parameters, calibrate the sensor, and change the TDS factor and temperature coefficient (BETA). The housing is waterproof and rated for IP 67 conditions. The multi-functional industrial probe houses the pH and conductivity sensor along with an integrated solid state amplifier to eliminate noise and interference.

SPECIFICATIONS

Model		HI 991300C	HI 991301C
Range	pH	0.00 to 14.00	0.00 to 14.00
	Cond.	0 to 3999 µS/cm	0.00 to 19.99 mS/cm
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	Temperature	32.0 to 140.0°F or 0.0 to 60.0°C	32.0 to 140.0°F or 0.0 to 60.0°C
Resolution	pH	0.01	0.01
	Cond.	1 µS/cm	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°F or 0.1°C	0.1°F or 0.1°C
Accuracy (@20°C/68°F)	pH	±0.01	±0.01
	Cond./TDS	±2% F.S.	±2% F.S.
	Temperature	±1°F or ±0.5°C	±1°F or ±0.5°C
Temperature Compensation		pH: Automatic from 0 to 60°C; conductivity/TDS: Automatic from 0 to 60°C with a selectable BETA of 0.0, 1.8, 1.9 (default), 2.0, 2.1, 2.2, 2.3, 2.4% per °C	
Battery Type/Life		4 x 1.5V AAA/approximately 500 hours of continuous use	
Weight/Dimensions		11.3 oz. (320 g)/5.6 x 3.1 x 1.5" (143 x 80 x 38 mm)	

ORDERING INFORMATION

HI 991300 and HI 991301 are supplied complete with HI 1288 pH/EC/TDS/Temp. probe, batteries, & instruction manual in hard carrying case.

RECOMMENDED ACCESSORIES

HI 1288	pH/EC/TDS/°C probe	HI 70038P	6.44 ppt cal. sol. (25 x 20 mL)
HI 710004	Soft carrying case	HI 77100P	1413 µS & pH 7 sol., 20 mL, 10 pcs each
HI 710007	Blue shockproof rubber boot	HI 77200P	1500 ppm & pH 7 sol., 20 mL, 10 pcs each
HI 710008	Orange shockproof rubber boot	HI 77300P	1382 ppm & pH 7 sol., 20 mL, 10 pcs each
HI 70030P	12880 µS cal. sol. (25 x 20 mL)	HI 77400P	pH 4 & 7 sol., 20 mL, 5 pcs each

HANNA Instruments Laboratory & Industrial Division

Waterproof, Simple-to-use Dissolved Oxygen Meter

HI 9142



- Waterproof
- Automatic Temperature Compensation

The HI 9142 is a rugged, waterproof meter that solves the common problems of field use. It is very simple to use. Calibration is performed with HI 7040 zero oxygen solution while 100% calibration is done in air. There is no need to use chemical solutions or go through time consuming calibration procedures. The conic shape of the HI 76407/4 polarographic probe allows it to be used in BOD5 measurements, making it a truly versatile instrument.

SPECIFICATIONS

Model	HI 9142
Range	0.0 to 19.9 mg/L
Resolution	0.1 mg/L
Accuracy (@20°C/68°F)	±1.5% F.S.
Temp. Comp.	Automatic from 0 to 30°C (32 to 86°F)
Battery Type/Life	4 x 1.5V AA/approximately 500 hours continuous use.
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4")
Weight	425 g (15 oz.)

ORDERING INFORMATION

HI 9142 is supplied complete with HI 76407/4 D.O. probe with 4 m (13') cable, 2 spare membranes, HI 7041S electrolyte solution, 4 x 1.5V AA batteries, and instruction manual in a rugged case.

RECOMMENDED ACCESSORIES

HI 7040L	Zero oxygen solution (460 mL)
HI 7041S	Refilling electrolyte solution (30 mL)
HI 76407/4	D.O. probe with 4 m (13') cable
HI 76407/10	D.O. probe with 10 m (33') cable
HI 76407/20	D.O. probe with 20 m (67') cable
HI 76407A/P	Pack of 5 replacement membranes
HI 721317	Rugged carrying case

Waterproof, Multirange Conductivity Meter with ATC

HI 9033



- **One Probe for Many Ranges**
The **HI 76302W** doesn't need to be recalibrated or changed to measure in another range.
- **Waterproof**
The **HI 9033** will resist the ingress of water and dust to protect its advanced circuitry in industrial and field applications.
- **4-ring Probe Excels**
The proven 4-ring potentiometric method is so technologically advanced that it renders the 2-ring Amperometric method obsolete.

SPECIFICATIONS

Model	HI 9033
Range	0.0 to 199.9 $\mu\text{S}/\text{cm}$; 0 to 1999 $\mu\text{S}/\text{cm}$; 0.00 to 19.99 mS/cm ; 0.0 to 199.9 mS/cm
Resolution	0.1 $\mu\text{S}/\text{cm}$; 1 $\mu\text{S}/\text{cm}$; 0.01 mS/cm ; 0.1 mS/cm
Accuracy (@20°C/68°F)	$\pm 1\%$ F.S. (excluding probe error)
Temp. Comp.	Automatic from 10 to 50°C with β of 2% per degree °C
Battery Type/Life	1 x 9V/approx. 100 hours of continuous use
Weight/Dimensions	15 oz. (425 g) /7.7 x 3.1 x 2.4" (196 x 80 x 60 mm)

ORDERING INFORMATION

HI 9033 is supplied complete with HI 76302W interchangeable probe with 1 m (3.3') screened cable, calibration screw driver, 9V battery and instruction manual in a rugged carrying case.

RECOMMENDED ACCESSORIES

HI 76302W	Conductivity probe
HI 721317	Hard carrying case
HI 7030L	12880 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 7031L	1413 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 7032L	1382 mg/L calibration solution (500 mL)
HI 7033L	84 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 7034L	80000 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 7035L	111800 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)

Waterproof Cond./TDS/NaCl/Temperature Meter with ATC

HI 9835



- **4 Parameters - 1 Probe!**
Measure Conductivity, TDS, NaCl, and Temperature all without changing the probe.
- **Waterproof & Rugged**
The **HI 9835** is constructed with a waterproof, rugged housing which allows the versatility required for both laboratory and field use.
- **Large LCD**
The large LCD helps users through operation and calibration with comprehensive symbols. The LCD also simultaneously displays temperature.
- **Auto-ranging**
- **Automatic Calibration**
- **Automatic Temperature Compensation**

The HI 9835 combines the more important parameters you need for measuring conductivity. Now you can sample conductivity, Total Dissolved Solids (TDS), sodium chloride (NaCl), and temperature all at once. Hanna's probe design innovation uses 4 rings enhanced with platinum for greater stability while increasing the range of measurable concentrations and temperature. You can choose between automatic or manual temperature compensation to facilitate your operating requirements. The HI 9835 includes a hard carrying case.

SPECIFICATIONS

	Conductivity	TDS	NaCl	Temperature
Range (autoranging)	0.00 to 29.99 $\mu\text{S}/\text{cm}$ 30.0 to 299.9 $\mu\text{S}/\text{cm}$ 300 to 2999 $\mu\text{S}/\text{cm}$ 3.00 to 29.99 mS/cm 30.0 to 200.0 mS/cm Up to 500.0 mS/cm	0.00 to 14.99 ppm 15.0 to 149.9 ppm 150 to 1499 ppm 1.50 to 14.99 ppt 15.0 to 100.0 ppt Up to 400.0 ppt	0.0 to 400.0%	0.0 to 60.0°C
Resolution	0.01 $\mu\text{S}/\text{cm}$ (0.00 to 29.99 $\mu\text{S}/\text{cm}$) 0.1 $\mu\text{S}/\text{cm}$ (30.0 to 299.9 $\mu\text{S}/\text{cm}$) 1 $\mu\text{S}/\text{cm}$ (300 to 2999 $\mu\text{S}/\text{cm}$) 0.01 mS/cm (3.00 to 29.99 mS/cm) 0.1 mS/cm (over 30.0 mS/cm)	0.01 ppm (0.00 to 14.99 ppm) 0.1 ppm (15.0 to 149.9 ppm) 1 ppm (150 to 1499 ppm) 0.01 ppt (1.50 to 14.99 ppt) 0.1 ppt (over 15.0 ppt)	0.1%	0.1°C
Accuracy	$\pm 1\%$ of reading $\pm (0.05 \mu\text{S}/\text{cm}$ or 1 digit, whichever is greater)	$\pm 1\%$ of reading $\pm (0.03 \text{ ppm}$ or 1 digit, whichever is greater)	$\pm 1\%$ of reading	$+0.4^\circ\text{C}$
Temp Comp.	Automatic or manual from 0 to 60°C (can be disabled to measure actual conductivity)			
Power Supply	4 x 1.5V AA or 12 VDC adapter			
Weight/Dimensions	18 oz. (500 g)/7.7 x 3.1 x 2.4" (196 x 80 x 60 mm)			

ORDERING INFORMATION

HI 9835 is supplied complete with HI 76309 4-ring conductivity probe with 1 m (3.3') screened cable, 4 x 1.5V AA batteries, and instruction manual in a rugged case.

RECOMMENDED ACCESSORIES

HI 76309	Conductivity probe	HI 7030L	12880 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 721317	Hard carrying case	HI 7031L	1413 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 710005	110V to 12VDC adapter	HI 7033L	84 $\mu\text{S}/\text{cm}$ calibration solution (500 mL)
HI 710006	220V to 12VDC adapter	HI 7037L	NaCl calibration solution (500 mL)

Extended Range, Waterproof Dissolved Oxygen Meter

HI 9143



The HI 9143 is designed for outdoor applications. Simple on-site calibration requires no chemical solutions. Just expose the probe to air and press the CAL button. In a few minutes, the meter is calibrated and ready to use.

SPECIFICATIONS

Model	HI 9143	
Range	ppm O ₂	0.00 to 45.00
	% Saturation O ₂	0.00 to 300.0
	°C	0.0 to 50.0
Resolution	ppm O ₂	0.01
	% Saturation O ₂	0.1
	°C	0.1
Accuracy	ppm O ₂	±1.5% F.S.
	% Saturation O ₂	±1.5% F.S.
	°C	±0.5
Temp. Comp.	Automatic from 0 to 50°C (32 to 122°F)	
Power Supply	4 x 1.5V AA/approximately 200 hours continuous use. Power plug for 12 VDC supply	
Weight/Dimensions	425 g (15 oz.)	
	/196 x 80 x 60 mm (7.7 x 3.1 x 2.4")	

ORDERING INFORMATION

HI 9143 is supplied complete with HI 76407/4 D.O. probe with 4 m (13') cable, 2 spare membranes, HI 7041S electrolyte solution, 4 x 1.5V AA batteries, and instruction manual in a rugged case.

RECOMMENDED ACCESSORIES

HI 7041S	Refilling electrolyte solution (30 mL)
HI 710005	110V to 12VDC adapter
HI 710006	220V to 12VDC adapter
HI 76407/4	D.O. probe with 4 m (13') cable
HI 76407/10	D.O. probe with 10 m (33') cable
HI 76407/20	D.O. probe with 20 m (67') cable
HI 76407A/P	Pack of 5 replacement membranes
HI 721317	Rugged carrying case

Turbidity Meter with RS232 and Log-on-demand

HI 93703



Now you can have laboratory precision for your field turbidity measurements. Hanna's HI 93703 is designed to provide you a simple, yet accurate way to test turbidity on-site. This meter has two operating ranges; 0.00 to 50.00 FTU's and 50 to 1000 FTU's that can accommodate the most turbid condition you may encounter. The HI 93703 is easy to calibrate (with 2-point calibration) using AMCO-EPA standards and is ISO 7027 compliant.

The HI 93703-11 enhanced version has 3-point calibration, comes with a real-time clock and internal logging for up to 200 measurements. Collected data can be downloaded to your management system using the Windows® compatible HI 92000 software.

Both versions meet the requirements of GLP (Good Laboratory Practice) protocols for last calibration data storage.

ORDERING INFORMATION

HI 93703 is supplied with measurement cuvet and cap, 4 x 1.5V AA batteries, and instruction manual.

HI 93703-11 is supplied with measurement cuvet and cap, RS232, 4 x 1.5V AA batteries, and instruction manual in a hard carrying case.

RECOMMENDED ACCESSORIES

HI 731318	Tissue for wiping cuvetts (4 pcs)
HI 731321	Spare measurement cuvetts (4 pcs)
HI 731313	Rugged carrying case with calibration solutions HI 93703-0 and HI 93703-10, HI 93703-50 cleaning solution, HI 731318 tissue for wiping cuvetts, and 2 measurement cuvetts

- **Wide Range**
Both models guarantee accurate measurements with low and high turbidity levels.
- **Good Laboratory Practice**
With the press of a button, the last calibration information is retrieved from memory and displayed to assure accurate measurements.
- **Logging Capability**
This powerful feature allows you to store information from up to 200 samples including the time and date of each measurement (HI 93703-11 only).

SPECIFICATIONS

Model	HI 93703
Ranges	0.00 to 50.00 FTU* / 50 to 1000 FTU*
Resolution	0.01 FTU* / 1 FTU*
Accuracy	±0.5 FTU or ±5% of reading
Calibration	2 points (0 FTU* & 10 FTU*)
Light Source	High Emission Infrared LED
Light Life	Life of instrument
Light Detector	Silicon Photocell
Battery Type/Life	4 x 1.5V AA/approximately 60 hours continuous use or 900 measurements
Weight/Dimensions	510 g (18 oz.) /220 x 82 x 66 mm (8.7 x 3.2 x 2.6")

Model HI 93703-11

Same specifications as HI 93703 with the following:

Calibration	3 points (0 FTU*, 10 FTU* & 500 FTU*)
Logging Capabilities	200 measurements
Computer Interface	RS232, with optional HI 92000 software
Real Time Clock	Yes

* FTU (Formazine Turbidity Unit) = 1 NTU (Nephelometric Turbidity Unit)

HI 93703C is comprised of HI 93703 complete with HI 731313 maintenance kit.

HI 93703-0	AMCO-EPA-1 cal. sol. @ 0 FTU (30 ml)
HI 93703-5	AMCO-EPA-1 cal. sol. @ 500 FTU (30 ml) for HI93703-11 only
HI 93703-10	AMCO-EPA-1 cal. sol. @ 10 FTU (30 ml)
HI 92000	Windows® compatible software
HI 920010	9-pin cable for pc

Authorized Distributor www.clarksonlab.com

HANNA
instruments
Laboratory & Industrial Division

For more information or a distributor near you contact HANNA Instruments
734.971.8160/toll free: 800.504.2662
www.hannainst.com