

# ENVIRONMENTAL MONITORING

# Sheen



## REF. HI-933000 WATERPROOF, MULTI-RANGE, ATC CONDUCTIVITY METER

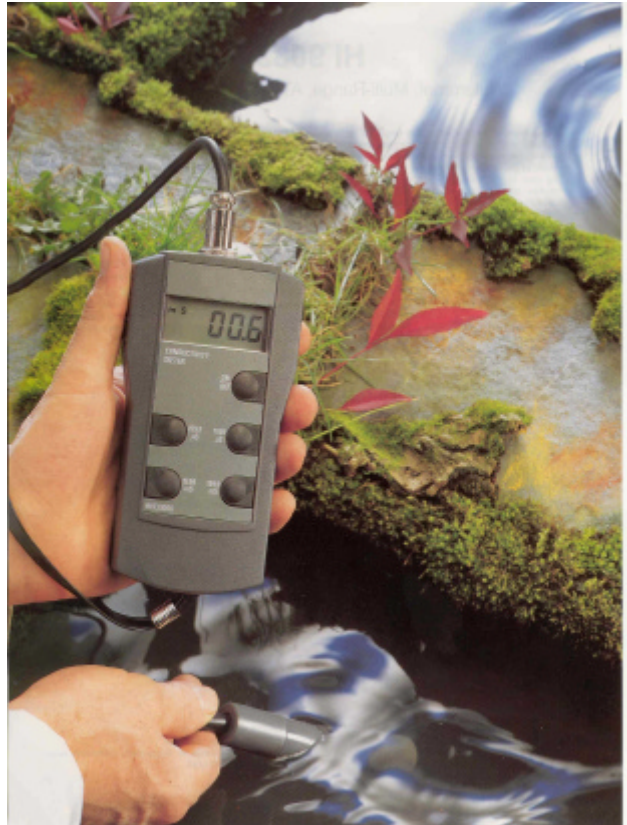
The HI-933000 is a portable conductivity meter that measures conductivity from 0.1 $\mu$ S to 200 mS with just one probe!

The 4 stainless steel potentiometric rings are concentrically positioned on the probe shaft with the last one housing the temperature sensor. All readings are compensated automatically for any temperature variation by 2% per degree Centigrade.

A protective cap covers and protects the rings and can be easily removed making cleaning simple and quick. To operate the unit, just switch it on and choose the desired operating range. Calibration is manual so that you are not limited to one or two buffers and can calibrate the meter at the value most suited for your application. The calibration trimmer is tucked away in the battery compartment so that it is not tampered with.

The ergonomically designed housing fits the palm of your hand perfectly. It can be operated with one hand and its rubber keypad is splash-proof. HI 933000 is supplied

complete with HI 76302W conductivity probe with a 1 meter screened cable, calibration screwdriver, a wrist-strap for safety, 9V battery and instruction manual.



## FEATURES

- **Wide range with one probe** - the 4-ring technology allows conductivity measurements in almost any application with one probe, there is no need to change probes, cell constants or recalibrate
- **Simple-To-Operate** - Switch on, dip the probe in your solution and choose your operating range
- **Portable and Handy** - With rubber waterproof keypad, wrist-strap and all keys reachable with the thumb

## SPECIFICATIONS

HI-933000		
<b>Range</b>	$\mu\text{S/cm}$	0.0 to 199.9
	$\mu\text{S/cm}$	0 to 1999
	$\text{mS/cm}$	0.0 to 19.99
	$\text{mS/cm}$	0.0 to 199.9
<b>Resolution</b>	$\mu\text{S/cm}$	0.1
	$\mu\text{S/cm}$	1
	$\text{mS/cm}$	0.01
	$\text{mS/cm}$	0.1
<b>Accuracy (@ 20°C/68°F)</b>	$\pm 1\%$ Full Scale ( excluding probe error )	
<b>Typical EMC Deviation</b>	$\pm 1\%$ Full Scale	
<b>Calibration</b>	Manual single point through trimmer	
<b>Temperature Compensation</b>	Automatic from 10 - 40°C (50 to 104°F) with $\beta$ of 2% per degree C	
<b>Probe</b>	HI 76302W with ATC 1m ( 3.3') screened cable	
<b>Battery Life</b>	1 x 9V / 100 hours approximately of continuous use	
<b>Environment</b>	0 to 50°C (32 to 122°F); R.H. 100%	
<b>Dimensions</b>	196 x 80 x 60mm (7.7 x 3.1 x 2.4")	
<b>Weight</b>	425g	

Owing to continuous development. we reserve the right to introduce improvements and modify specifications without prior notice.

### **Sheen Instruments Ltd**

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