

# Microprocessor Based Conductivity/TDS Meter

RS-PSI 1601

## DESCRIPTION:

Microprocessor-Based Conductivity/TDS Meter Model RS-PSI 1601 is a solid-state instrument designed for precise Conductivity, TDS, and Temperature measurements. The instrument uses the latest microprocessor technology and advanced engineering techniques to ensure accuracy and reproducibility. The system has user-friendly prompts, which guide you throughout the measurement process.

The instrument has 8 soft touch membrane type keys for ease of operation. It has the storage facility for 1000 samples, which are retained in the memory even when the system is switched OFF. Provision has also been made for attachment of any dot matrix printer /thermal printer with serial RS-PSI 232 interface so that any of the stored results can be printed.

## FEATURES:

1. Conductivity, TDS & Temperature Measurements
2. TDS in Water/Aqueous
3. 128x64 dots graphical LCD Display
4. Auto Temperature Compensation Facility
5. Auto Ranging Facility
6. Programmable Ref. Temp & Temp. Coefficient
7. 1000 Sample Storage Facility
8. Printer Attachment Facility



## ADVANTAGES:

The instrument is extremely useful for chemical & pharmaceutical industry, agriculture and soil laboratories, swimming pools, water quality control in boiler feed water, water works department, fertilizer plants, petroleum refineries, breweries, water purification plants etc.

# TECHNICAL SPECIFICATIONS:

Parameter	Conductivity	TDS	Temperature
Range Selection	Automatic	Automatic	-
Range	0-2,0-20, 0-200 $\mu$ S 0-2	0-2,0-20 , 0-200 ppm	0-100 ° C
Accuracy	0-20, 0-200 ms	0-2, 0-20, 0-200 ppt	$\pm$ 0.1 ° C
Resolution	$\pm$ 0.5% FS $\pm$ 1 Digit	$\pm$ 1 % FS $\pm$ 1Digit	0.1 ° C
Cell Constant	0.01 ppm		
Temparature Compensation	Adjustable (0.05-10.5) Auto/Manual (0-50t:)		
Temparature Coefficient	Adjustable (0.1- 4.0%)	Adjustable (0.1- 4.0%)	-
Display	128x64 dots graphical LCD Display		
Storage	up to 1000 Samples		
Keyboard	8 Soft touch membrane type keys		
Printer Interface	Through RS 232 for serial printer using 80 column		
Power	230V $\pm$ 10% AC, 50 Hz		
Weight	2.5 Kg (Approx)		
Dimensions	270 x202 x 80mm		
Accessories	Conductivity/TDS Cell (Cell Constant 1.00 Approx.), Temperature Probe, Cell Stand/Clamp, Mains Lead, Instruction Manual, Dust Cover		



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