

WATER TESTING EQUIPMENTS



PH METER (DIGITAL) TABLE MODEL



APPLICATION

- Purification of drinking water.
- Manufacturing of sugar, pharmaceuticals and cosmetics.
- Effluent treatment plants.
- Dyes and chemicals.
- Biotechnology.
- Electroplating.

Weiber Digital pH Meter, with its state-of-the-art design, is specially targeted for routine pH measurement applications. Measurement of pH of any aqueous solution gives the degree of acidity or alkalinity of the solution. Mathematically pH is defined as the negative logarithm of the Hydrogen Ion concentration and pH is measured on the scale of 0 to 14 units.

TECHNICAL SPECIFICATIONS

PH/MV	
RANGE	0 to 14 pH 0 to +/- 1999 mV
ACCURACY	+/- 0.05 pH +/- 1 digit
RESOLUTION	0.01 pH 1 mV
TEMP. COMPENSATION	Automatic
INPUT IMPEDANCE	>10 ¹² ohms
PROBE	Combination pH electrode
DISPLAY	LED Seven segment
INPUT	BNC
TEMPERATURE	
RANGE	0 to 100.0 °C
ACCURACY	+/- 1.0 °C
RESOLUTION	0.1 °C
INPUT	Stereo socket
PROBE	RTD sensor
ENVIRONMENTAL OPERATING CONDITIONS	
A) OPERATION	Indoor
B) TEMPERATURE	Ambient to 45 °C
C) RELATIVE HUMIDITY	5 to 90% non-condensing
POWER REQUIREMENT	230 Vac ±10%, 50Hz.

PH METER (MP BASED) TABLE MODEL



APPLICATION

- Purification of drinking water.
- Manufacturing of sugar, pharmaceuticals and cosmetics.
- Effluent treatment plants.
- Dyes and chemicals.
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- Electroplating.

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RESOLUTION	0.1 °C
INPUT	Stereo socket
PROBE	RTD sensor
ENVIRONMENTAL OPERATING CONDITIONS	
A) OPERATION	Indoor
B) TEMPERATURE	Ambient to 45 °C
C) RELATIVE HUMIDITY	5 to 90% non-condensing
POWER REQUIREMENT	230 Vac ±10%, 50Hz.

Data Storage facility of upto 90 samples

CONDUCTIVITY METER TABLE MODEL



APPLICATION

- To analyse the quality of drinking water.
- Direct ionic concentration measurement in pharmaceutical preparations.
- Waste water treatment plants.
- Pollution control in lakes & rivers.
- Boiler feed water analysis for all industries.
- Oceanography to determine salinity and TDS.

Weiber offers the perfect choice of a bench top conductivity meter for measurements in the laboratories weather routine or at R&D level. The conductivity meter offers better operating comfort and measuring confidence in all areas of application. Due to user selective temperature function, instrument calculates the conductivity at the reference temperature 25 +/- 0.10C with linear function.

FEATURES

- Advanced micro controller based user-friendly state-of-the-art design.
- Complies with USP and DIN Standards.
- Sleek molded cabinet with alphanumeric splash waterproof polyester keyboard with soft keys.
- User interactive software in dialogue mode for ease of operation with protection against invalid entries.
- 20 x 2 line back lighted LCD display.
- Simultaneous measurement of conductivity and temperature.
- Non-volatile memory storage of 40 conductivity readings with temperature in pre-selected GLP or Non-GLP format.

TECHNICAL SPECIFICATIONS

CONDUCTIVITY	0.01mS/cm to 199.9mS/cm. (Depending on the cell used 0.1 / 1.0 / 10.0 K)
RESOLUTION	- 0.01 (displayed)
ACCURACY	- 0.5%.
TEMPERATURE RANGE	0 to 99 .90 C
RESOLUTION	0.1 ° C
RELATIVE ACCURACY	+/- 0.2 ° C
SENSOR	RTD PT 100
TEMP. COMPENSATION	Automatic
DISPLAY	20 x 2 line backlighted LCD display
KEYBOARD	Alphanumeric splash waterproof polyester soft keys
REPORT FORMAT	(a) Report of selected conductivity readings (b) Calibration report (c) Data table and Graphs (optional)
INPUT	2 - Banana socket for conductivity electrode, 1 - ATC - PT100.
OUTPUT	Printer (parallel) Autostand (optional)
ENVIRONMENTAL OPERATING CONDITIONS	a) Operation : Indoor b) Temperature : Ambient to 45 °C c) Relative humidity : 5 to 90% non-condensing.
POWER REQUIREMENT	230 Vac ±10%, 50Hz.

DISSOLVED OXYGEN METER



APPLICATION

- To analyse the quality of drinking water.
- Direct ionic concentration measurement in pharmaceutical preparations.
- Waste water treatment plants.
- Pollution control in lakes & rivers.
- Boiler feed water analysis for all industries.
- Oceanography to determine salinity and TDS.

Weiber offers the perfect choice of a bench top DO meter for measurements in the laboratories weather routine or at R&D level. The DO meter offers better operating comfort and measuring confidence in all areas of application.

FEATURES

- Advanced micro controller based user-friendly state-of-the-art design.
- Complies with USP and DIN Standards.
- Sleek molded cabinet with alphanumeric splash waterproof polyester keyboard with soft keys.
- User interactive software in dialogue mode for ease of operation with protection against invalid entries.
- 20 x 2 line back lighted LCD display.
- Simultaneous measurement of conductivity and temperature.
- Non-volatile memory storage of 40 conductivity readings with temperature in pre-selected GLP or Non-GLP format.
- Calibration data with date stamp for authentication.

TECHNICAL SPECIFICATIONS

RANGE	0.0-10.0 mg/l
ACCURACY (@20°C)	+/- 0.2 mg/l +/-3% of reading
RESOLUTION	0.1 mg/l
TYPICAL EMC DEVIATION	+/- 0.1 mg/l
LIGHT SOURCE	LED @ 430nm
LIGHT LIFE	Life of instrument
LIGHT DETECTOR	Silicon photocell
BATTERY TYPE AND LIFE	1 x 9v battery; approx 40 hours of continuous use
AUTO SHUT-OFF	After 10mins of non-use
OPERATING CONDITIONS	0-50°C, 95%RH

SPECTROPHOTOMETER DIGITAL & PHOTO COLORIMETER

SPECTROPHOTOMETER DIGITAL



- Range 340 to 960 nm.
- Dual Digital Display for Wavelength & Data
- Wavelength resolution 1 nm.
- Highly Stable & Accurate
- Direct Concentration Facility
- 10 nm & 50 nm path length (340E only)

This symmetrical double beam spectrophotometer from the Aquarius series, with an 8 cell changer, has a 1.8nm optical bandwidth and is ideal for dissolution measurements. Its stability of, ± 0.0001 A / hour, approximately ten times better than single beam instruments, makes it ideal for extended measurements such as sustained release monitoring. Full cell and wavelength programming together with wavelength scanning make the instrument ideal for dissolution applications and may, when required, be used as a high quality scanning double beam spectrophotometer for other applications.

Operation is simple following menus and prompts displayed on the LCD screen, using the keypad to interact with the comprehensive embedded software. Validation software is available. Used in System

PHOTO COLORIMETER



- Range 340 to 960 nm.
- Dual Digital Display for Wavelength & Data
- Direct Concentration Facility
- Wavelength resolution 1 nm.
- Highly Stable & Accurate
- 10 nm & 50 nm path length (340E only)

DETECTOR	Silicon Photo-diode
WAVELENGTH RANGE	400 to 700 nm
FILTER	Interchangeable glass filter 420 nm, 460 nm, 510 nm, 540 nm, 600 nm
LIGHT SOURCE	LED
DISPLAY	3 1/2 digits LCD
CUVETTE	Round 10 mm ID, 12 mm OD 105mm L Square 10 mm x 10 mm x 45 mm
WAVELENGTH RANGE	400 nm - 800 nm
PHOTOMETRIC RANGE	
TRANSMITTANCE	0 ~ 100% T
ABSORBANCE	0 ~ 1.999 Abs
CONCENTRATION	0 ~ 1999 Conc

DIGITAL NEPHELOMETER & ION SPECIFIC METERS

DIGITAL NEPHELOMETER



TECHNICAL SPECIFICATIONS

- 0 to 100 NTU
- 0.1 NTU Resolution
- $\pm 3\%FS \pm 1$ digit Accuracy
- 6V, 0.3 Amp. Tungston Lamp

Turbidity Definition: Adopt the current definition of turbidity for natural water and wastewater, contained in ASTM Standard Test Method for Turbidity in Water, D 1889-00 (ASTM International, 2002), as follows: Turbidity—an expression of the optical properties of a sample that causes light rays to be scattered and absorbed rather than transmitted in straight lines through a sample. (Turbidity of water is caused by the presence of suspended and dissolved matter such as clay, silt, finely divided organic matter, plankton, other microscopic organisms, organic acids, and dyes.)

Weiber Nephelometer is a turbidity meter specifically designed to detect low concentrations of precipitates. This is of particular use in water turbidity measurements as well as various medical, biological and agricultural assays

ION SPECIFIC METERS



FEATURES

- Direct-reading digital display of procedure with prompt test results.
- LED narrow-band light source assures high sensitivity and long bulb / battery life.
- One touch operation gives test result in units. Factory calibrated, no user adjustments are ever needed.
- Microprocessor controlled self diagnostics of power, circuitry and lamp readiness
- Auto-zero & standardization by microprocessor eliminates need for a light shield.
- Auto-blank, insert blank once for faster multiple testing.
- Uniform, flat-bottomed, large diameter tubes for reproducibility.

TECHNICAL MATRIX

CODE NO	DESCRIPTION	RANGE
IM - 01	Total Hardness Check	0 - 750 PPM
IM - 02	Hydrazine Check	0 - 400 $\mu\text{g} / \text{L}$
IM - 03	Iron Check	0 - 5 PPM
IM - 04	Nitrate Check	0 - 30 PPM
IM - 05	Nitrate Check	0 - 150 PPM
IM - 06	Phosphate Check	0 - 30 PPM
IM - 07	Silica Check	0 - 2 PPM
IM - 08	Zinc Check	0 - 3 PPM
IM - 09	Free Chlorine and Total Chlorine Check	FCL 0 to 9.99 PPM TCL 0 to 9.99 PPM
IM - 10	Alkalinity M	0 - 500 PPM
IM - 11	Alkalinity P	0 - 500 PPM
IM - 12	Alkalinity Total (As CaCo)	0 - 500 PPM
IM - 13	Chloride	0 - 250 PPM
IM - 14	Sulphite	0 - 500 PPM



WATER AND SOIL ANALYSIS KIT



Based on advance electronic technology for water analysis, pollution control, laboratory analysis, soil testing etc. Complete unit is housed in a briefcase to work on battery rechargeable cum mains. Unit is supplied without O.R.P. electrode with instruction manual.

TECHNICAL MATRIX

PH MEASUREMENT		O.R.P. MEASUREMENT	
Range	0 to 14 pH Continuous	Range	0 to + 1999 mV
Resolution	0.01 pH	Resolution	1 mV
Accuracy	+ 0.01 pH + 1 digit (relative)	Accuracy	+ 0.01% + 1 digit
Temp. Compensation	0 to 100 0 C (Manual)	TDS MEASUREMENT	
TEMP. MEASUREMENT		Range	0 to 100 PPM 0 to 1000 PPM, 0 to 10 PPT, 0 to 100 PPT & 0 to 1000 PPT
Range	-200 to 200 0C	Resolution	0.1 PPM (Lowest Range)
Resolution	0.10 0C	Accuracy	+ 5% range + 1 digit
Accuracy	+ 5% of range + 1 digit	D.O. MEASUREMENT	
Sensor Input	PT-100 R.T.D. Type	Range	0 to 20 PPM
COND. MEASUREMENT		Resolution	0.1 PPM
Range	(0 to 1000 mmhos in 5 ranges)	Accuracy	5 0C to 55 0C (Manual)
Resolution	0.1 micro mho (lowest range)	Temp. Compn.	0.2 PPM + 1 digit
Accuracy	+ 0.5% of range + 1 digit	D.O. Probe	Amperometric Gold / Silver membrane type
Temp. Co-Eft Compn.	Automatic from 0 0 C to 70 0C with PT 100 Sensor		

- Six Parameters : (pH, Conductivity, TDS, ORP, DO and Temp)
- Five Parameters : (pH, Conductivity, , ORP, DO and Temp)
- Seven Parameters : (pH, Conductivity, TDS, ORP, DO, Temp. Turbidity)
- Eight Parameters : (pH, Conductivity, TDS, ORP, DO, Temp Sailinity, Turbidity)

OPTIONAL ACCESSORIES

(O.R.P. Electrode Extra)

COMPANY PROFILE :

With over a decade of industry experience in manufacturing scientific laboratory instruments, we have established ourselves with the name of ACMAS Technocracy (P) Ltd. to provide highest quality instruments to laboratories, pathologies, entomologies, pharmaceuticals, research centers etc. We have successfully catered the needs of above 600 institutions in India and abroad for the last 22 years. The dedicated and cumulative efforts of ACMAS team members has produced and delivered the comprehensive range of scientific instruments and laboratory products research projects where maintaining a viable record of the performance of the equipment is very essential.

COMPANY'S OUTLOOK :

ACMAS Technocracy (P) Ltd. enjoys an amazing image for high quality scientific laboratory instruments across the globe. The continuous innovative technology and 'Quality Management System Standard' delivers the advanced laboratory experiments and general-purpose measuring instruments solution to various laboratories, sterilizing clean rooms, microbiologies, biotechnologies, pathologies, entomologies, pharmaceuticals, seeds and soil testing, meteorologies food processing. We also believe in providing customized instruments solution to our esteemed clients.

MANUFACTURING FACILITIES :

The company has well built and operated manufacturing facilities that matches the latest system and technique in the industry. Our team strictly follows the quality control standards of ISO 9001:2000 series while designing, developing, manufacturing and delivering the scientific instruments. The manufacturing unit of ACMAS is made with complete state-of-the-art equipments and technologies for producing high quality instruments. We also acquired Environmental Friendly process certifications ISO14001:2004 for our entire range of instruments to ensure reliability and durability in each product.

RANGE OF PRODUCTS :

Our wide array of AUTOCLAVE, INCUBATORS OVENS, LAMINAR AIR FLOW, MOISTURE METERS, WATER DISTILLATION PLANTS, LABORATORY BALANCES, WATER BATH, CENTRIFUGE, COOLING EQUIPMENTS, WATER TESTING EQUIPMENTS, LABORATORY SHAKING MACHINE, MICROTOME, MICROSCOPE, MEASURING INSTRUMENTS AND ALLIED products to ensures accuracy and conformity for significant experiments. We also customize some of our product range and technologies for educational, medical, industrial or other laboratories for better work experience. Our pre sale and post sales support are also admirable and popular among our satisfied clients.

QUALITY STANDARDS :

At ACMAS Technocracy (P) Ltd, we design and develop the complete range of scientific and laboratory instruments with highest quality standards. We constantly update technologies and methodologies to ensure reliability and consistency at each level of instruments production. Our all transparency auditing system are performed by the most reliable D & B International as we want to deliver the world class quality instruments to our national and international clients. We feel proud that our entire product range has brought satisfactory results for the corporate and public sector clients.

PROFESSIONAL TEAM :

The continuous cooperation and support of professional team has helped us to understand and deliver the satisfactory scientific instruments right from basic lab equipment to most sophisticated instruments for research labs. We believe that our tremendous success belongs to our expert engineers, managers, co-workers and other significant team members who have put their best efforts in the growth of the organization. It is their dedication and commitment that makes us the most trusted scientific instruments brand among our all satisfied clients.

FORTE :

We strive hard to cater our clients with best product range and services while meeting international standards. Our aim is to meet the overwhelming demand of the scientific community and provide them the world class quality scientific instruments along with the best after sale support.

CLIENTS

OUR LIST OF CUSTOMERS



CLIENTS

OUR LIST OF CUSTOMERS



OUR PRESENCE WORLD WIDE



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