



+27 60 999 9140

info@microanalytica.co.za

489 Jacqueline Drive, Garsfontein
Pretoria, Gauteng, 0081

ANALYTICAL EXCELLENCE...

www.microanalytica.co.za

Benchtop Multi-Parameter Water Quality Meter

FEATURES:

pH

- Equipped with 6.5 inch backlit LCD display
- 1 – 5 points calibration with automatic recognition for USA, NIST and DIN buffers
- Automatic electrode diagnosis shows the pH slope and offset

ORP

- 1 point offset calibration allows adjusting the displayed value to a known standard
- Relative and absolute millivolt modes ensures accurate ORP measurements

ION CONCENTRATION

- 2 – 5 points calibration, including the 8 concentration points, can be selected
- Automatic electrode diagnosis shows calibration points and slopes
- Direct ion concentration readout
- Selectable concentration units (ppm, mg/L, mol/L, mmol/L) and ionic valency

CONDUCTIVITY/TDS/SALINITY/RESISTIVITY

- 1 -5 points calibration with automatic recognition for conductivity standards
- Selectable cell constant, reference temperature, TDS factor, linear and pure water compensations, seawater and practical salinity measurement modes
- Automatic electrode diagnosis shows calibration points and factors



DISSOLVED OXYGEN

- 1 or 2 points calibration using the air-saturated water and zero oxygen solution
- Salinity and barometric pressure compensation ensures accurate readings

OTHER FEATURES:

- Automatic Temperature Compensation provides accurate readings
- Auto read function senses and locks measurement endpoint
- Calibration reminder
- Setup menu allows setting the number of calibration points, resolution, stability criteria, temperature unit, date and time etc
- Reset function available to default instrument to factory settings
- Expanded memory up to 500 readings
- USB communication interface for data transfer and timed interval readings

Accessories:

- pH/conductivity/dissolved oxygen electrodes
- Temperature probe
- pH buffer sachets
- Conductivity standard solutions
- DO electrolyte solution
- Membrane cap
- Electrode holder
- USB cable
- Power adapter

MODEL SPECIFICATIONS:

| Model | | MA-PH900 |
|-------|--------------------|----------------------------------|
| pH | Range | -2.000~20.000pH |
| | Resolution | 0.001, 0.01, 0.1pH, selectable |
| | Accuracy | ±0.002pH |
| | Calibration Points | 1~5 points |
| | pH Buffer Options | USA, NIST, DIN, 2 custom buffers |

| | | |
|--------------|-----------------------|---|
| ORP | Range | ±1999.9mV |
| | Resolution | 0.1, 1mV, selectable |
| | Accuracy | ±0.2mV |
| | Calibration Points | 1 point |
| Ion | Range | 0.001~19999 (depending on range of ISE) |
| | Resolution | 0.001, 0.01, 0.1, 1 |
| | Accuracy | ±0.5% FS (Monovalent), ±1% FS (Divalent) |
| | Measurement Units | ppm, mg/L, mol/L, mmol/L |
| | Calibration Points | 2~5 points (0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000) |
| Conductivity | Range | 0.1~2μS/cm (CON-0.1, optional), 2~20mS/cm (CON-1, standard), 20~200mS/cm (CON-10, optional) |
| | Resolution | 0.001, 0.01, 0.1, 1 |
| | Accuracy | ±0.5% FS |
| | Calibration Points | 1~5 points |
| | Calibration Solutions | 10μS/cm, 84μS/cm, 1413μS/cm, 12.88mS/cm, 111.8mS/cm |
| | Temp. Coefficient | Linear (0.0~10.0%/°C), pure water |
| | Reference Temp. | 20/25°C |
| | Cell Constant | K=0.1, 1, 10 or custom |
| TDS | Range | 0~10.00, 100.0, 1000ppm, 10.00, 200.0ppt |
| | Resolution | 0.01, 0.1, 1 |
| | Accuracy | ±1% FS |
| | TDS Factor | 0.1~1.0 (default 0.5) |
| Salinity | Range | 0.00~42.00psu, 0.00~80.00ppt |
| | Resolution | 0.01 |
| | Accuracy | ±1% FS |
| Resistivity | Range | 0.00~20.00MΩ |
| | Accuracy | ±1% FS |
| | Resolution | 0.01 |

| | | |
|------------------|--------------------------------|---------------------------------------|
| Dissolved Oxygen | Range | 0.00~20.00mg/L, 0.0~200.0% saturation |
| | Resolution | 0.01mg/L, 0.1% |
| | Accuracy | ±0.2mg/L, ±2.0% |
| | Calibration Points | 1 or 2 points |
| | Barometric Pressure Correction | 60.0~112.5kPa/450~850mmHg, manual |
| | Salinity Correction | 0.0~50.0g/L, manual |
| Others | Temp. Compensation | 0~100°C/32~212°F, manual or automatic |
| | Memory | 500 data sets |
| | Output | USB interface |
| | Power Requirements | DC5V power adapter |
| | Dimensions mm | 210*188*60 |
| | Package Size (W*D*H) mm | 310*240*180 |
| | Net Weight (kg) | 1.5 |
| | Gross Weight (kg) | 1.7 |