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# accumet™ AET30 conductivity tester

## Product features

- Multi-range with selectable or auto-ranging options - One tester measures from pure water to waste water!
- User-replaceable sensor - Replace the sensors yourself. Sensors last longer with element made of SS316 stainless steel and sensor casing made of VALOX™
- Large display screen - Simultaneous temperature readouts, displays mode, ATC, battery level
- Single and multi-point calibrations with automatic or manual options
- Waterproof, anti-roll design - IP67 waterproof housing keeps tester good even under wet conditions. Unique anti-roll ribbed design ensures firm grip
- Innovative cup-style - Innovative sensor housing design can be used as dip-style or cup-style for holding small volume of samples. Sensor casing is made of VALOX™ for superior chemical durability

## Applications

**General:** For use in water and wastewater treatment, boiler blow-down, electroplating rinse tanks, drinking water, hydroponics, printing industry, aquaculture, aquaria, fish farms, swimming pools and spas

## Specifications

|                                |                                                     |
|--------------------------------|-----------------------------------------------------|
| <b>Conductivity Range</b>      | to 200.0µS/cm<br>to 2,000µS/cm<br>to 20.00mS/cm     |
| <b>Conductivity Resolution</b> | 0.1µS/cm/ 1µS/cm/ 0.01mS/cm                         |
| <b>Conductivity Accuracy</b>   | ±1% of full scale                                   |
| <b>ATC</b>                     | Yes (0 to 50°C / 32 to 122°F)                       |
| <b>Temperature Coefficient</b> | 2% per °C, fixed                                    |
| <b>Calibration Points</b>      | Three auto or three manual                          |
| <b>Temperature Display</b>     | Yes                                                 |
| <b>Temperature Range</b>       | 0 to 50.0°C / 32.0 to 122.0°F                       |
| <b>Temperature Resolution</b>  | 0.1°C / 0.1°F                                       |
| <b>Temperature Accuracy</b>    | ±0.5°C / ±0.9°F + 1 LSD                             |
| <b>Temperature Calibration</b> | ±5.0°C / ±9.0°F                                     |
| <b>Non-Volatile Memory</b>     | Yes                                                 |
| <b>Auto power-off</b>          | 8.5 minutes after last key pressed                  |
| <b>Power Requirement</b>       | 4 x 1.5 V 'A76' micro alkaline batteries (included) |
| <b>Battery Life</b>            | More than 150 hours                                 |
| <b>Dimensions/Weight</b>       | Tester: 16.5cm x 3.8cm; 90g                         |
| <b>Boxed Dimensions/Weight</b> | 18.5cm x 6.5cm x 5cm; 200g                          |
| <b>Warranty</b>                | Two years                                           |



## Ordering information

|                                |                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cat No.</b>                 | <b>Description</b>                                                                                                                                     |
| <b>15563653</b>                | Conductivity tester, accumet™ AET30 with ATC and temperature display. Includes replaceable cup type sensor, lanyard and alkaline button cell batteries |
| <b>Replacement accessories</b> |                                                                                                                                                        |
| <b>15533643</b>                | Conductivity Sensor (Tester)                                                                                                                           |



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# accumet™ AET15 pH tester

## Product features

- Large display screen - dual display LCD for enhanced readability, provides comprehensive meter information
- Waterproof, dustproof housing - IP67 rated, maintains the integrity of your tester even in harsh conditions. Plus it floats!
- User-replaceable sensor - reuse the same meter body many times
- Double junction sensor offers longer lasting usage
- Push-button calibration with auto-buffer recognition - quick, easy calibration with no calibration mistakes
- Automatic Temperature Compensation (ATC) - ensures optimum accuracy under fluctuating temperatures
- Choice of USA or NIST pH buffer standards with up to 3 points
- Temperature display readout simultaneously
- Auto power-off saves battery power after non-use
- "Hold" Function freezes reading momentarily for easy viewing
- Self-diagnostic for easy troubleshooting (e.g battery indicator, message codes)
- Enhanced power saving allows extended power consumption up to 500 hours with single battery set

## Applications

**General:** Ideal for quick and accurate pH checks in pools and spas, aquariums and hydroponics operations, or anywhere frequent pH testing is required. accumet™ AET15 pH Tester meets requirements for many standard environmental and ASTM test methods.

**Industrial:** Use for cooling towers, food processing water testing and process/wastewater testing in metal finishing, photo development, printing and chemical industries.

**Educational:** Useful in schools, many laboratory applications and ecology studies.

## Specifications

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| <b>pH Range</b>                  | -1.0 to 15.0pH                                            |
| <b>pH Resolution</b>             | 0.01pH                                                    |
| <b>pH Accuracy</b>               | ±0.01pH                                                   |
| <b>Temperature Display</b>       | 0 to 50°C or 32 to 122°F                                  |
| <b>Temperature Resolution</b>    | 0.1°C/°F                                                  |
| <b>Temperature Accuracy</b>      | 0.5°C / 0.9°F                                             |
| <b>No. of Calibration Points</b> | Three points                                              |
| <b>pH Buffer Options</b>         | USA - pH 4.01, 7.00, 10.01; NIST - pH 4.01, 6.86, 9.18    |
| <b>LCD Display</b>               | Dual display with battery indicator, error messages/codes |
| <b>ATC</b>                       | Yes                                                       |
| <b>Special Functions</b>         | Large dual custom display, self-diagnostic; hold function |
| <b>Auto power-off</b>            | After 8.5 minutes                                         |
| <b>Power</b>                     | 4 x 1.5V alkaline button cell batteries; >500 hrs         |
| <b>Warranty</b>                  | Two years                                                 |

## Ordering information

| Cat No.                        | Description                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15553653</b>                | pH Tester accumet™ AET15 with ATC and temperature readout. Includes replaceable double junction pH sensor, lanyard and alkaline button cell batteries |
| <b>Replacement accessories</b> |                                                                                                                                                       |
| <b>15523643</b>                | pH Sensor (Tester)                                                                                                                                    |





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# accumet™ AE6 portable pH meter

## Product features

- Multi-point calibration (up to 5 points) with auto-buffer recognition - choice of USA, NIST or pure water buffer standards with  $\pm 0.01$  pH accuracy
- Automatic Temperature Compensation (ATC) for the highest accuracy under fluctuating temperatures
- "Hold" function momentarily freezes reading for easy viewing and recording
- Auto-power off saves battery power after non-use
- Self-diagnostic with message codes for easy troubleshooting
- Large custom LCD provides optimum viewing even at a distance
- Protective rubber boot shields meter from accidental knocks and features a sturdy built-in stand for easy bench-top operation
- Rugged carrying case (optional) provides handy on-site meter calibration and measurement

## Applications

**Water quality testing:** For analysing water in pools and spas, lithographic processes, boiler and cooling tower water analysis and all types of quality assurance and water quality testing.

**Environmental/agricultural:** Use in ecology studies, aquaria, aquaculture and nutrients levels in hydroponics.

**Educational:** Ideal for quick, accurate checks in laboratories and schools.



## Specifications

|                                              |                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>pH Range</b>                              | 0.00 to 14.00pH                                                                                 |
| <b>pH Resolution &amp; Accuracy</b>          | 0.01pH & $\pm 0.01$ pH                                                                          |
| <b>Temperature Range</b>                     | 0 to 100.0°C                                                                                    |
| <b>Temperature Resolution &amp; Accuracy</b> | 0.1°C & $\pm 0.5$ °C                                                                            |
| <b>mV Range</b>                              | -1,000 to + 1,000mV                                                                             |
| <b>mV Resolution &amp; Accuracy</b>          | 1mV & $\pm 1$ mV                                                                                |
| <b>Temperature Compensation</b>              | Automatic/Manual (0 to 100°C)                                                                   |
| <b>No. of Calibration Points</b>             | Up to five points                                                                               |
| <b>pH Buffer Options</b>                     | 1.68, 4.01, 7.00, 10.01, 12.45 (USA)<br>1.68, 4.01, 6.86, 9.18, 12.45 (NIST)<br>4.10, 6.97 (Pb) |
| <b>Special Functions:</b>                    | Auto power-off after 17 minutes<br>Hold & self-diagnostic messages                              |
| <b>Power</b>                                 | 4 'AAA' x 1.4V batteries                                                                        |
| <b>Warranty</b>                              | Three years                                                                                     |

## Ordering information

| Cat No.                        | Description                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>15523653</b>                | Portable pH meter accumet™ AE6. Includes a pH/temp electrode, rubber armour/stand, batteries and manual                              |
| <b>15533653</b>                | Portable pH/ORP meter, accumet™ AE6B. Includes double junction pH electrode and ATC probe, rubber armour/stand, batteries and manual |
| <b>Replacement accessories</b> |                                                                                                                                      |
| <b>15563633</b>                | Single junction gel pH electrode                                                                                                     |
| <b>15503643</b>                | pH/ATC gel pH electrode                                                                                                              |
| <b>15593633</b>                | DJ gel pH electrode                                                                                                                  |
| <b>15573633</b>                | ATC electrode 90mm                                                                                                                   |
| <b>15583633</b>                | ATC electrode 120mm                                                                                                                  |
| <b>15543643</b>                | Grip-clip electrode holder                                                                                                           |



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# accumet™ AE6C portable conductimeter

## Product features

- Multi-point push-button calibration (up to five points) with  $\pm 1\%$  full scale accuracy
- Option of quick, easy automatic calibration or customised, near-to-sample manual calibration
- Auto-ranging for conductivity/TDS measurements for fast response and best resolution over wide measurement range
- Automatic Temperature Compensation (ATC) for optimum accuracy under fluctuating temperatures
- "Hold" function momentarily freezes reading for easy viewing
- Auto power-off saves battery power after non-use
- Self diagnostic with message codes for easy troubleshooting
- Large custom LCD provides optimum viewing even at a distance
- Electrode with built-in ATC designed for minimal air bubble entrapment during measurement
- Protective rubber boot shields meter from drops and features a sturdy built-in stand for easy bench-top operation
- Meter kit (optional) - contains everything you need for calibration and measurement in a rugged carrying case

## Applications

**Routine testing:** For quick, accurate conductivity or TDS checks in laboratories, field and schools.

**Environmental/agricultural:** Useful in nutrient and fertiliser checks in hydroponics and agricultural industries.

**Water quality testing:** For analysing hard water, untreated water, industrial and rinse water, drinking water, effluent water, pool water and incoming process water. Ideal for all types of quality assurance, printing industries and water quality testing.



## Specifications

|                                               |                                                                                                                                                          |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conductivity Range</b>                     | to 19.99 $\mu$ S/cm<br>19.9 $\mu$ S/cm to 199.9 $\mu$ S/cm<br>199.9 $\mu$ S/cm to 1,999 $\mu$ S/cm<br>2.00mS/cm to 19.99mS/cm<br>20.0mS/cm to 199.9mS/cm |
| <b>Conductivity Resolution &amp; Accuracy</b> | 0.05% full scale & $\pm 1\%$ full scale + 1 LSD                                                                                                          |
| <b>Calibration Points</b>                     | Four (one per range) auto; five (one per range) manual                                                                                                   |
| <b>Temperature Range</b>                      | 0 to 80.0°C (32 to 176°F)                                                                                                                                |
| <b>Temperature Resolution &amp; Accuracy</b>  | 0.1 °C (0.1°F) & $\pm 0.5^\circ\text{C}$ ( $\pm 0.9^\circ\text{F}$ )                                                                                     |
| <b>Temperature Compensation</b>               | Automatic / Manual (0 to 80°C)                                                                                                                           |
| <b>Cell Constant</b>                          | 0.1, 1.0, 10.0 (selectable)                                                                                                                              |
| <b>Temperature Coefficient</b>                | 0.0% to 3.0%                                                                                                                                             |
| <b>Temperature Normalisation</b>              | 20.0 to 25.0°C                                                                                                                                           |
| <b>No. of Calibration Points</b>              | Up to five maximum, (one per range)                                                                                                                      |
| <b>Special Functions</b>                      | Auto power-off after 17 minutes;<br>Hold & self-diagnostic messages                                                                                      |
| <b>Power</b>                                  | 4 'AAA' x 1.4V batteries; >100 hours                                                                                                                     |
| <b>Warranty</b>                               | Three years                                                                                                                                              |

## Ordering information

| Cat No.                        | Description                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>15543653</b>                | Portable conductivity meter, accumet™ AE6C. Includes conductivity/ATC electrode, rubber armour/stand, batteries and manual |
| <b>Replacement accessories</b> |                                                                                                                            |
| <b>15513643</b>                | Conductivity/ATC electrode                                                                                                 |
| <b>15573633</b>                | ATC electrode 90mm                                                                                                         |
| <b>15583633</b>                | ATC electrode 120mm                                                                                                        |
| <b>15543643</b>                | Grip-Clip electrode holder                                                                                                 |



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