

LAQUA

LAQUA 200 Series Handheld Water Quality Meters



| | | | |
|-------------|------------------------|------------------|--------------|
| pH | ORP | Dissolved Oxygen | Conductivity |
| Resistivity | Total Dissolved Solids | Salinity | |



www.horiba-water.com



LAQUA 200 Series

Handheld Water Quality Meters



Impact Resistant

Eco-friendly, Shock & Scratch Resistant, & Non-slip

Apart from their high impact strength, the polycarbonate and TPE materials are also long-lasting and recyclable. The TPE provides non-slip grip and is not easily damaged by abrasion.



Backlit, Large LCD Screen

All models have scratch-resistant monochrome digital LCD (50 x 50 mm) with white LED backlight for easy viewing of readings even in dark locations.



Hands-free Testing

Attach a wrist strap* or lanyard to hang the meter or place the meter into the carrying case while in use.

*Optional

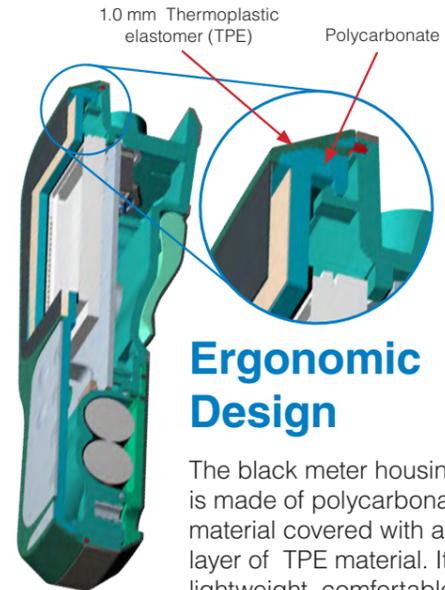


Meter shown in actual size

Built-in Electrode Holder

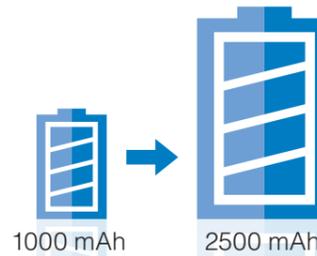
Two grooves on the meter serve as electrode holders.

Electrode adapter provides secure attachment for two electrodes so they can be easily placed in solutions.



Ergonomic Design

The black meter housing is made of polycarbonate material covered with a layer of TPE material. It is lightweight, comfortable to touch, and suitable for field applications.



High Battery Capacity

AA batteries have greater power capacity than AAA batteries. Battery life is increased by 2.5x.



9-Button Keypad Minimal Matrix

Operation buttons are reduced to the bare minimum.



IP67 Waterproof and Dustproof

Fully protected from dust and capable of withstanding water immersion up to 1 meter depth for 30 mins.

Integrated Foldable Meter Stand

A collapsible meter stand is integrated at the back of the meter for convenient usage and storage.



PC / Printer Communications

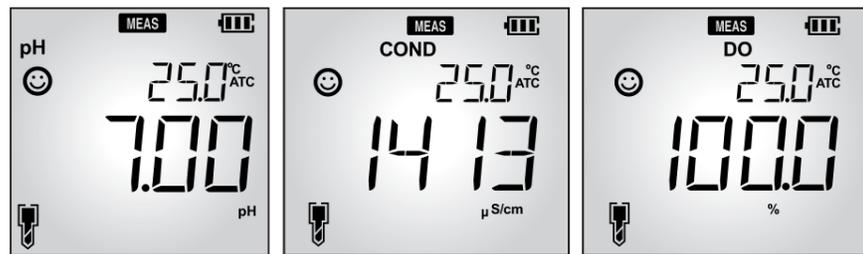
The 220 models are GLP-compliant: calibration and measurement data are captured with date and time stamp. Connect any 220 model to a computer using a PC (USB) cable¹ to transfer data via data acquisition software or to upgrade² meter software or connect to a HORIBA printer using a printer (RS232) cable¹ to print data.

¹ Cables and printer are sold separately
² Also applicable to 210 models



Easy-to-Read Display

Electrode condition, reading stability, parameter, and temperature in one screen can be checked at a glance.

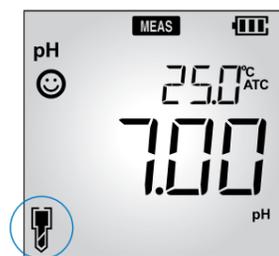


pH Display Conductivity Display Dissolved Oxygen Display



Calibration Data

Simply press CAL button and then DATA button to view the latest calibration data.

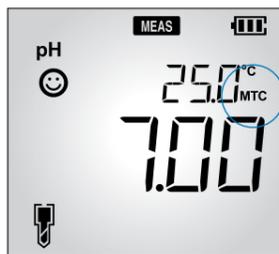


Electrode Status Indicator

The electrode icon indicates the condition of the electrode after each calibration.



Temperature sensor connected



Temperature sensor disconnected

Temperature Sensor Indicator

When the temperature sensor is connected to the meter, ATC is displayed. Otherwise MTC is displayed.



Diagnostic Messages

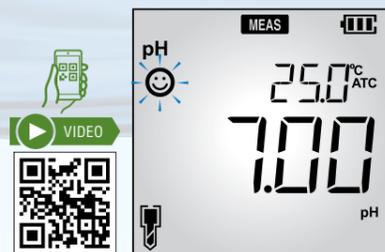
Self-diagnosing meters display measurement and meter issues for fast fault finding and troubleshooting.

Measurement modes: Auto Stable, Auto Hold, Real Time

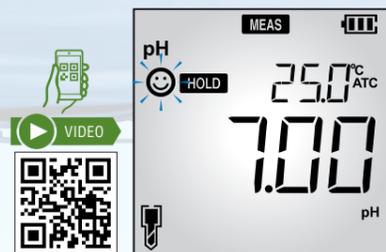
Auto Stable (AS) mode - the meter shows live readings; 😊 annunciator blinks until the reading is stable.

Auto Hold (AH) mode - the meter locks the stable reading; 😊 annunciator blinks until reading is stable and then **HOLD** lights up.

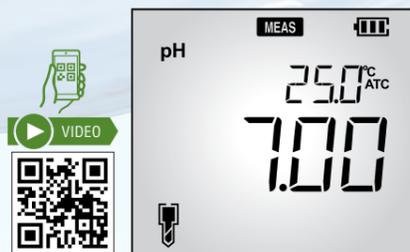
Real Time - the meter shows live readings; Both 😊 and **HOLD** annunciators are inactive.



Auto Stable



Auto Hold



Real Time



Rugged Carrying Case

The durable case keeps your meter, electrodes, solutions, and accessories secured, organized and protected during quick field testing on the go or for storage. The connectors can remain fitted when the meter is stored away in the carrying case.



- User Manual and Notes Compartment
- Clear sleeve for Quick Guide
- DO Replacement Tip
- Calibration Solutions
- Electrode Adapter
- 2 x AA Batteries
- DO Electrode
- DO Electrode Cable Winder (up to 5.0m)
- LAQUA 200 Series Meter
- Conductivity Electrode
- pH Electrode
- Electrode Cable Compartment

9652-10D / 20D Plastic-body, Double Junction, Gel pH Electrodes

| Model | 9652-10D | 9652-20D |
|-----------------------------|------------------------------|------------|
| Part No. | 3200786359 | 3200786361 |
| pH Range | 0 - 14 pH | |
| Temperature Range | 0 - 80 °C | |
| Liquid Junction | Porous sintered polyethylene | |
| Temperature Sensor | Integrated | |
| Connectors | BNC, phono | |
| Electrode Length & Diameter | 150 x 16 mm | |
| Cable Length | 1.0 m | 2.0 m |

9383-10D Plastic-body, Titanium/Platinum Black Conductivity Cell

| Model | 9383-10D |
|-----------------------------|----------------------|
| Part No. | 3200780927 |
| Cell Constant | 1 cm ⁻¹ |
| Conductivity Range | 1 μS/cm to 200 mS/cm |
| Temperature Range | 0 - 80 °C |
| Temperature Sensor | Integrated |
| Connectors | BNC, phono |
| Electrode Length & Diameter | 150 x 16 mm |
| Cable Length | 1.0 m |

9552-20D / 50D Galvanic DO Probes

| Model | 9552-20D | 9552-50D |
|-------------------------------|-------------------|------------|
| Part No. | 3200780939 | 3200780941 |
| DO Range | 0 - 20.00 mg/L | |
| Temperature Range | 0 - 50 °C | |
| Temperature Sensor | Integrated | |
| Connectors | BNC, phono | |
| Electrode Length & Diameter | 164 x 30 mm | |
| Cable Length | 2.0 m | 5.0 m |
| Replacement DO Tip / Part No. | 5402 / 3200781553 | |

pH Meters



| Model | PH210 | PH220 |
|-------------------------------------|--|--|
| | pH/ORP/Temp (°C/°F) | |
| pH Range | -2.00 to 16.00 pH | |
| Resolution | 0.01 pH | |
| Accuracy | ±0.01 pH | |
| Calibration Points | USA & NIST (Up to 5), DIN (Up to 6) | |
| pH Buffer Groups | USA, NIST, DIN | |
| ORP Range | ±2000 mV | |
| Resolution | 0.1 mV (< ±1000 mV), 1 mV (≥ ±1000mV) | |
| Accuracy | ±0.3 mV (< ±1000 mV), 0.3% of reading (≥ ±1000mV) | |
| Calibration Option | Yes | |
| Temperature Range | -30.0 to 130.0 °C / -22.0 to 266.0 °F | |
| Resolution | 0.1 °C / °F | |
| Accuracy | ± 0.5 °C / ± 0.9 °F | |
| Calibration Option | Yes | |
| Memory | 500 | 1000 |
| Auto Data Log | ● | ● |
| Real-time Clock | — | ● |
| Date & Time Stamp | — | ● |
| Auto Hold / Auto Stable / Real Time | ● | ● |
| Offset & Average Slope Display | ● | ● |
| Calibration Alarm (1 to 90 days) | ● | ● |
| Auto Shut-Off (1 to 30 mins.) | ● | ● |
| Electrode Status | ● | ● |
| Diagnostic Messages | ● | ● |
| Software Upgrade ¹ | ● | ● |
| PC Communication ¹ | — | ● |
| Printer Communication ² | — | ● |
| Meter Inputs | BNC, phono | |
| Display | Custom LCD with backlight | |
| Housing | IP67, shock & scratch resistant, non-slip | |
| Power Requirement | 2 x AA batteries | |
| Battery Life | > 500 hours | |
| Meter Dimensions | 160 (L) x 80 (W) x 40.60 (H) mm | |
| Meter Weight | Approx. 260 g (with batteries) / 216 g (without batteries) | |
| Meter Kit* | PH210-K Waterproof pH/ORP/Temp Handheld Meter Kit (3200779526) <ul style="list-style-type: none"> • PH210 Meter • 9652-10D Gel pH electrode • 4.01, 7.00, 10.01 pH Buffers (60 ml each) • 2 x AA Batteries • Carrying case • Manual & Quick Guide | PH220-K Waterproof pH/ORP/Temp Handheld Meter Kit (3200779527) <ul style="list-style-type: none"> • PH220 Meter • 9652-10D Gel pH electrode • 4.01, 7.00, 10.01 pH Buffers (60 ml each) • 2 x AA Batteries • Carrying case • Manual & Quick Guide |

*Meter kit with NIST pH buffers is available upon request. Add 'N' suffix to order code.

¹Via PC (USB) cable PN 3200779639

²Via Printer (RS232) cable PN 3200779638

● Available — Not available

Conductivity Meters



| Model | EC210 | EC220 |
|------------------------------------|---|---|
| | EC/TDS/Res/Sal/Temp (°C/°F) | |
| Conductivity Range | ..µS/cm to 200.0 mS/cm (k=1.0) | |
| Resolution | 0.05% full scale | |
| Accuracy | ±0.6% full scale, ±1.5% full scale > 18.0 mS/cm | |
| Reference Temperature | 15 to 30 °C | |
| Temperature Coefficient | 0.00 to 10.00% | |
| Cell Constants | 0.1, 1.0, 10.0 | |
| Calibration Points | Up to 4 (Auto) / Up to 5 (Manual) | |
| Units | S/cm, S/m (Auto Ranging) | |
| Total Dissolved Solids (TDS) Range | ..ppm to 100 ppt (TDS factor=0.5) | |
| Resolution | 0.01 ppm (mg/L) / 0.1 ppt (g/L) | |
| Accuracy | ±0.1% full scale | |
| TDS Curves | Linear (0.40 to 1.00), EN27888, 442, NaCl | |
| Resistivity Range | 0.000 Ω•cm to 20.0 MΩ•cm | |
| Resolution | 0.05% full scale | |
| Accuracy | ±0.6% full scale, ±1.5% full scale > 1.80 MΩ•cm | |
| Salinity Range | 0.0 to 100.0 ppt / 0.00 to 10.00 % | |
| Resolution | 0.1 ppt / 0.01% | |
| Accuracy | ±0.2% full scale | |
| Salinity Curves | NaCl, Seawater | |
| Calibration Option | Yes | |
| Temperature Range | -30.0 to 130.0 °C / -22.0 to 266.0 °F | |
| Resolution | 0.1 °C / °F | |
| Accuracy | ± 0.5 °C / ± 0.9 °F | |
| Calibration Option | Yes | |
| Memory | 500 | 1000 |
| Auto Data Log | ● | ● |
| Real-time Clock | — | ● |
| Date & Time Stamp | — | ● |
| Auto Hold / Auto Stable/ Real Time | ● | ● |
| Auto Shut-Off (1 to 30 mins.) | ● | ● |
| Electrode Status | ● | ● |
| Diagnostic Messages | ● | ● |
| Software Upgrade ¹ | ● | ● |
| PC Communication ¹ | — | ● |
| Printer Communication ² | — | ● |
| Meter Inputs | BNC, phono | |
| Display | Custom LCD with backlight | |
| Housing | IP67, shock & scratch resistant, non-slip | |
| Power Requirement | 2 x AA batteries | |
| Battery Life | > 500 hours | |
| Meter Dimensions | 160 (L) x 80 (W) x 40.60 (H) mm | |
| Meter Weight | Approx. 260 g (with batteries) / 216 g (without batteries) | |
| Meter Kit | EC210-K Waterproof EC/TDS/Res/Sal/Temp Handheld Meter Kit (3200779528) <ul style="list-style-type: none"> • EC210 Meter • 9383-10D Ti/Pt Conductivity electrode (k=1.0) • 84 µS/cm, 1413 µS/cm, 12.88 mS/cm, & 111.8 mS/cm Conductivity standards (60 ml each) • 2 x AA Batteries • Carrying case • Manual & Quick Guide | EC220-K Waterproof EC/TDS/Res/Sal/Temp Handheld Meter Kit (3200779529) <ul style="list-style-type: none"> • EC220 Meter • 9383-10D Ti/Pt Conductivity electrode (k=1.0) • 84 µS/cm, 1413 µS/cm, 12.88 mS/cm, & 111.8 mS/cm Conductivity standards (60 ml each) • 2 x AA Batteries • Carrying case • Manual & Quick Guide |

¹Via PC (USB) cable PN 3200779639

²Via Printer (RS232) cable PN 3200779638

● Available — Not available

DO Meters



| Model | DO210 | DO220 |
|-------|-------|-------|
|-------|-------|-------|

| | DO/Temp (°C/°F) | |
|-------------------------------------|--|------|
| Dissolved Oxygen (DO) Range | 0.0 to 20.00 mg/L 0.0 to 200.0% | |
| Resolution | 0.01 mg/L, 0.1% | |
| Accuracy | ±0.1 mg/L | |
| Salinity Compensation | 0.0 to 40.0 ppt | |
| Barometric Pressure Compensation | Yes | |
| DO Probe Type | Galvanic integrated with temperature sensor | |
| Calibration Points | Up to 2 | |
| Temperature Range | -30.0 to 130.0 °C / -22.0 to 266.0 °F | |
| Resolution | 0.1 °C / °F | |
| Accuracy | ± 0.5 °C / ± 0.9 °F | |
| Calibration Option | Yes | |
| Memory | 500 | 1000 |
| Auto Data Log | ● | ● |
| Real-time Clock | — | ● |
| Date & Time Stamp | — | ● |
| Auto Hold / Auto Stable / Real Time | ● | ● |
| Auto Shut-Off (1 to 30 mins.) | ● | ● |
| Electrode Status | ● | ● |
| Diagnostic Messages | ● | ● |
| Software Upgrade ¹ | ● | ● |
| PC Communication ¹ | — | ● |
| Printer Communication ² | — | ● |
| Meter Inputs | BNC, phono | |
| Display | Custom LCD with backlight | |
| Housing | IP67, shock & scratch resistant, non-slip | |
| Power Requirement | 2 x AA batteries | |
| Battery Life | > 500 hours | |
| Meter Dimensions | 160 (L) x 80 (W) x 40.60 (H) mm | |
| Meter Weight | Approx. 260 g (with batteries) / 216 g (without batteries) | |

| Meter Kit | DO210-K Waterproof DO/Temp Handheld Meter Kit (3200779530) | DO220-K Waterproof DO/Temp Handheld Meter Kit (3200779531) |
|-----------|---|---|
| | <ul style="list-style-type: none"> DO210 Meter 9552-20D Galvanic DO probe, 2 m cable 2 x AA Batteries Carrying case Manual & Quick Guide | <ul style="list-style-type: none"> DO220 Meter 9552-20D Galvanic DO probe, 2 m cable 2 x AA Batteries Carrying case Manual & Quick Guide |

¹Via PC (USB) cable PN 3200779639
²Via Printer (RS232) cable PN 3200779638

● Available — Not available

Multi-Parameter Meters



| Model | PC210 | PC220 |
|-------|-------|-------|
|-------|-------|-------|

| | pH/ORP/EC/TDS/Sal/Res/Temp (°C/°F) | |
|-------------------------------------|--|------|
| pH Range | -2.00 to 16.00 pH | |
| Resolution | 0.01 pH | |
| Accuracy | ±0.01 pH | |
| Calibration Points | USA & NIST (Up to 5), DIN (Up to 6) | |
| pH Buffer Groups | USA, NIST, DIN | |
| ORP Range | ±2000 mV | |
| Resolution | 0.1 mV (< ±1000 mV), 1 mV (≥ ±1000 mV) | |
| Accuracy | ±0.3 mV (< ±1000 mV), 0.3% of reading (≥ ±1000 mV) | |
| Calibration Option | Yes | |
| Conductivity Range | ..µS/cm to 200.0 mS/cm (k=1.0) | |
| Resolution | 0.05% full scale | |
| Accuracy | ±0.6% full scale, ±1.5% full scale > 18.0 mS/cm | |
| Reference Temperature | 15 to 30 °C | |
| Temperature Coefficient | 0.00 to 10.00% | |
| Cell Constants | 0.1, 1.0, 10.0 | |
| Calibration Points | Up to 4 (Auto) / Up to 5 (Manual) | |
| Units | S/cm, S/m (Auto Ranging) | |
| Total Dissolved Solids (TDS) Range | ..ppm to 100 ppt (TDS factor=0.5) | |
| Resolution | 0.01 ppm (mg/L) / 0.1 ppt (g/L) | |
| Accuracy | ±0.1% full scale | |
| TDS Curves | Linear (0.40 to 1.00), EN27888, 442, NaCl | |
| Resistivity Range | 0.000 Ω•cm to 20.0 MΩ•cm | |
| Resolution | 0.05% full scale | |
| Accuracy | ±0.6% full scale, ±1.5% full scale > 1.80 MΩ•cm | |
| Salinity Range | 0.0 to 100.0 ppt / 0.00 to 10.00 % | |
| Resolution | 0.1 ppt / 0.01% | |
| Accuracy | ±0.2% full scale | |
| Salinity Curves | NaCl, Seawater | |
| Calibration Option | Yes | |
| Temperature Range | -30.0 to 130.0 °C / -22.0 to 266.0 °F | |
| Resolution | 0.1 °C / °F | |
| Accuracy | ± 0.5 °C / ± 0.9 °F | |
| Calibration Option | Yes | |
| Memory | 500 | 1000 |
| Auto Data Log | ● | ● |
| Real-time Clock | — | ● |
| Date & Time Stamp | — | ● |
| Auto Hold / Auto Stable / Real Time | ● | ● |
| Offset & Average Slope Display | ● | ● |
| Calibration Alarm (1 to 90 days) | ● | ● |
| Auto Shut-Off (1 to 30 mins.) | ● | ● |
| Electrode Status | ● | ● |
| Diagnostic Messages | ● | ● |
| Software Upgrade ¹ | ● | ● |
| PC Communication ¹ | — | ● |
| Printer Communication ² | — | ● |
| Meter Inputs | BNC, phono | |
| Display | Custom LCD with backlight | |
| Housing | IP67, shock & scratch resistant, non-slip | |
| Power Requirement | 2 x AA batteries | |
| Battery Life | > 500 hours | |
| Meter Dimensions | 160 (L) x 80 (W) x 40.60 (H) mm | |
| Meter Weight | Approx. 260g (with batteries) / 216g (without batteries) | |

| Meter Kit* | PC210-K Waterproof pH/ORP/EC/TDS/Sal/Res/Temp Handheld Meter Kit (3200779532) | PC220-K Waterproof pH/ORP/EC/TDS/Sal/Res/Temp Handheld Meter Kit (3200779533) |
|------------|--|--|
| | <ul style="list-style-type: none"> PC210 Meter 9652-10D Gel pH electrode 9383-10D Ti/Pt Conductivity electrode (k=1.0) 4.01 & 7.00 pH Buffers (60 ml each) 1413 µS/cm & 12.88 mS/cm Conductivity standards (60 ml each) 2 x AA Batteries Electrode Adapter Carrying case Manual & Quick Guide | <ul style="list-style-type: none"> PC220 Meter 9652-10D Gel pH electrode 9383-10D Ti/Pt Conductivity electrode (k=1.0) 4.01 & 7.00 pH Buffers (60 ml each) 1413 µS/cm & 12.88 mS/cm Conductivity standards (60 ml each) 2 x AA Batteries Electrode Adapter Carrying case Manual & Quick Guide |

*Meter kit with NIST pH buffers is available upon request. Add 'N' suffix to order code.
¹Via PC (USB) cable PN 3200779639
²Via Printer (RS232) cable PN 3200779638

● Available — Not available

Multi-Parameter Meters



| | PD210 | PD220 |
|-------|------------------------|-------|
| Model | pH/ORP/DO/Temp (°C/°F) | |

| | | |
|-------------------------------------|--|------|
| pH Range | -2.00 to 16.00 pH | |
| Resolution | 0.01 pH | |
| Accuracy | ±0.01 pH | |
| Calibration Points | USA & NIST (Up to 5), DIN (Up to 6) | |
| pH Buffer Groups | USA, NIST, DIN | |
| ORP Range | ±2000 mV | |
| Resolution | 0.1 mV (< ±1000 mV), 1 mV (≥ ±1000mV) | |
| Accuracy | ±0.3 mV or (< ±1000 mV), 0.3% of reading (≥ ±1000mV) | |
| Calibration Option | Yes | |
| Dissolved Oxygen (DO) Range | 0.0 to 20.00 mg/L 0.0 to 200.0% | |
| Resolution | 0.01 mg/L, 0.1% | |
| Accuracy | ±0.1 mg/L | |
| Salinity Compensation | 0.0 to 40.0 ppt | |
| Barometric Pressure Compensation | Yes | |
| DO Probe Type | Galvanic integrated with temperature sensor | |
| Calibration Points | Up to 2 | |
| Temperature Range | -30.0 to 130.0 °C / -22.0 to 266.0 °F | |
| Resolution | 0.1 °C / °F | |
| Accuracy | ± 0.5 °C / ± 0.9 °F | |
| Calibration Option | Yes | |
| Memory | 500 | 1000 |
| Auto Data Log | ● | ● |
| Real-time Clock | — | ● |
| Date & Time Stamp | — | ● |
| Auto Hold / Auto Stable / Real Time | ● | ● |
| Offset & Average Slope Display | ● | ● |
| Calibration Alarm (1 to 90 days) | ● | ● |
| Auto Shut-Off (1 to 30 mins.) | ● | ● |
| Electrode Status | ● | ● |
| Diagnostic Messages | ● | ● |
| Software Upgrade ¹ | ● | ● |
| PC Communication ¹ | — | ● |
| Printer Communication ² | — | ● |
| Meter Inputs | BNC, phono | |
| Display | Custom LCD with backlight | |
| Housing | IP67, shock & scratch resistant, non-slip | |
| Power Requirement | 2 x AA batteries | |
| Battery Life | > 500 hours | |
| Meter Dimensions | 160 (L) x 80 (W) x 40.60 (H) mm | |
| Meter Weight | Approx. 260 g (with batteries) / 216 g (without batteries) | |

| | | |
|--|---|---|
| | PD210-K Waterproof pH/ORP/DO/Temp Handheld Meter Kit (3200779534) | PD220-K Waterproof pH/ORP/DO/Temp Handheld Meter Kit (3200779535) |
| | <ul style="list-style-type: none"> • PD210 Meter • 9652-20D Gel pH electrode, 2 m cable • 9552-20D Galvanic DO probe, 2 m cable • 4.01, 7.00, 10.01 pH Buffers (60 ml each) • 2 x AA Batteries • Electrode Adapter • Carrying case • Manual & Quick Guide | <ul style="list-style-type: none"> • PD220 Meter • 9652-20D Gel pH electrode, 2 m cable • 9552-20D Galvanic DO probe, 2 m cable • 4.01, 7.00, 10.01 pH Buffers (60 ml each) • 2 x AA Batteries • Electrode Adapter • Carrying case • Manual & Quick Guide |

¹Meter kit with NIST pH buffers is available upon request. Add 'N' suffix to order code. ● Available — Not available
²Via PC (USB) cable PN 3200779639
³Via Printer (RS232) cable PN 3200779638

Accessories & Solutions

pH Buffers

| Part No. | Model | Description |
|------------|------------|---|
| 3200043642 | 101-S | pH6.86 (500 ml), pH4 (250 ml) and pH9.18 (250 ml) buffer Solution / Reference Electrode Internal Solution #300 (250 ml) / Dropper |
| 3200043639 | 100-2 | pH 1.68 buffer Solution (500 ml) |
| 3200043637 | 100-7 | pH 6.86 Standard Solution (500 ml) |
| 3200043636 | 100-9 | pH 9.18 buffer Solution (500 ml) |
| 1300045600 | 250-PH-4 | pH 4.01 buffer solution, 250 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045602 | 500-PH-4 | pH 4.01 buffer solution, 500 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045599 | 1000-PH-4 | pH 4.01 buffer solution, 1 ltr in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045607 | 250-PH-7 | pH 7.00 buffer solution, 250 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045608 | 500-PH-7 | pH 7.00 buffer solution, 500 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045606 | 1000-PH-7 | pH 7.00 buffer solution, 1 ltr in dosing bottle, NIST Traceable with certificate, accuracy ± 0,01 @ 25°C |
| 1300045604 | 250-PH-10 | pH 10.01 buffer solution, 250 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,02 @ 25°C |
| 1300045605 | 500-PH-10 | pH 10.01 buffer solution, 500 ml in dosing bottle, NIST Traceable with certificate, accuracy ± 0,02 @ 25°C |
| 1300045603 | 1000-PH-10 | pH 10.01 buffer solution, 1 ltr in dosing bottle, NIST Traceable with certificate, accuracy ± 0,02 @ 25°C |



NIST traceable pH Buffer Solutions

ORP Solutions

| Part No. | Model | Description |
|------------|-------------|---|
| 1300045637 | 250-ORP-200 | 200 mV Redox / ORP solution, 250 ml round brown bottle, accuracy ± 5mV @ 25°C |
| 1300045636 | 250-ORP-475 | 475 mV Redox / ORP solution, 250 ml dosing bottle, accuracy ± 5mV @ 25°C |
| 1300045635 | 500-ORP-475 | 475 mV Redox / ORP solution, 500 ml dosing bottle, accuracy ± 5mV @ 25°C |
| 1300045634 | 500-ORP-650 | 650 mV Redox / ORP solution, 500 ml dosing bottle, accuracy ± 5mV @ 25°C |

Conductivity Standards

| Part No. | Model | Description |
|------------|--------------|--|
| 1300045609 | 250-EC-84 | 84 uS/cm Calibration Solution, 250 ml dosing bottle with certificate, accuracy±1%, KCl |
| 1300045632 | 500-EC-84 | 84 uS/cm Calibration Solution, 500 ml dosing bottle with certificate, accuracy±1%, KCl |
| 1300045633 | 1000-EC-84 | 84 uS/cm Calibration Solution, 1 ltr dosing bottle with certificate, accuracy±1%, KCl |
| 1300051602 | 250-EC-147 | 147 uS/cm Calibration Solution, 250 ml dosing bottle with certificate, accuracy±1%, KCl |
| 1300045595 | 250-EC-1413 | 1,413 uS/cm Calibration Solution, 250 ml dosing bottle with certificate, accuracy±1%, (25°C)=0.01M KCl |
| 1300045638 | 500-EC-1413 | 1,413 uS/cm Calibration Solution, 500 ml dosing bottle with certificate, accuracy±1%, (25°C)=0.01M KCl |
| 1300045591 | 1000-EC-1413 | 1,413 uS/cm Calibration Solution, 1 ltr dosing bottle with certificate, accuracy±1%, (25°C)=0.01M KCl |
| 1300045590 | 250-EC-1288 | 12.88 mS/cm Calibration Solution, 250 ml dosing bottle with certificate, accuracy ±1%, (25°C)=0.1M KCl |
| 1300045639 | 500-EC-1288 | 12.88 mS/cm Calibration Solution, 500 ml dosing bottle with certificate, accuracy ±1%, (25°C)=0.1M KCl |
| 1300045588 | 1000-EC-1288 | 12.88 mS/cm Calibration Solution, 1 ltr dosing bottle with certificate, accuracy ±1%, (25°C)=0.1M KCl |
| 1300045630 | 250-EC-1118 | 111.8 mS/cm Calibration Solution, 250 ml dosing bottle with certificate, accuracy ±1% (25°C)= 1M KCl |
| 1300045660 | 500-EC-1118 | 111.8 mS/cm Calibration Solution, 500 ml dosing bottle with certificate, accuracy ±1% (25°C)= 1M KCl |
| 1300045631 | 1000-EC-1118 | 111.8 mS/cm Calibration Solution, 1 ltr dosing bottle with certificate, accuracy ±1% (25°C)= 1M KCl |



X-51 Digital Simulator X-52 Digital Simulator

pH Electrode Cleaning Solutions

| Part No. | Model | Description |
|------------|-------|--|
| 3014028653 | 220 | Cleaning solution for removing inorganic sample residues, 50 ml x 2 pcs |
| 3200530494 | 230 | Cleaning solution for removing inorganic and organic sample residues, Solution A (30 ml) & Solution B (100 ml) |
| 3200366771 | 250 | Cleaning solution for removing proteins, 400 ml |



Printer

Electrodes*

| Part No. | Model | Description |
|------------|----------|--|
| 3200786359 | 9652-10D | Plastic-body, gel-filled pH electrode with integrated temperature sensor and 1 m cable |
| 3200786361 | 9652-20D | Plastic-body, gel-filled pH electrode with integrated temperature sensor and 2 m cable |
| 3014046710 | 9300-10D | ORP electrode with flat platinum tip and temperature sensor |
| 3200780927 | 9383-10D | Plastic-body, Titanium / Platinum black (k=1.0) conductivity cell with integrated temperature sensor and 1 m cable |
| 3200780939 | 9552-20D | Galvanic DO probe with integrated temperature sensor and 2 m cable |
| 3200780941 | 9552-50D | Galvanic DO probe with integrated temperature sensor and 5 m cable |
| 3200781553 | 5402 | Replacement DO tip for 9552-20D and 9552-50D |



PC (USB) cable (Meter to Computer) Electrode Adapter

Accessories

| Part No. | Model | Description |
|------------|-------|--|
| 3014028368 | X-51 | Digital simulator for pH, mV, Ion, DO & temperature |
| 3014028370 | X-52 | Digital simulator for conductivity & temperature |
| 3014030146 | - | Printer for GLP / GMP compliance, 120V US version (printer cable is sold separately) |
| 3014030147 | - | Printer for GLP / GMP compliance, 230V EU version (printer cable is sold separately) |
| 3200779638 | - | 25-pin D-Sub Printer (RS232) cable (meter to printer), 1.5 m |
| 3014030149 | - | Printer paper, 20 rolls |
| 3014030150 | - | Printer ink ribbon, 5pcs/pack |
| 3200779640 | - | Electrode adapter |
| 3200779639 | - | PC (USB) cable with free data acquisition software in USB flash drive to connect meter and computer, 1.5 m |



25-pin D-Sub Printer (RS232) cable (Meter to Printer) Replacement DO tip 5402

*Electrodes carry 6-month warranty against manufacturing defects.

Water Quality Analyzers

With over 60 years of engineering excellence, HORIBA's diverse range of water quality analyzers and electrodes are ideal for everyday laboratory needs through to the most demanding of applications. Visit our website for a wealth of useful information and water quality measurement tips to help you obtain the best results in your work.



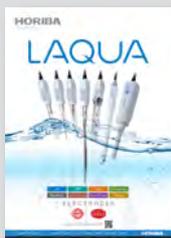
Benchtop Meters

Developed using extensive feedback from users, our new LAQUA meters deliver the best solution for water quality analysis. Our LAQUA website features an online 'Selection Guide' to enable you to find the perfect LAQUA meter and electrode for your needs.



Pocket Meters

Analyzing water quality is simplified when using our LAQUATwin range of meters. Designed to produce accurate and reliable results. Anyone, anywhere, at any time can measure samples easily with a LAQUATwin meter. See just how good they are at our website.



Electrodes

Various electrodes to match any application. A wide range of products for both benchtop and portable systems are available, including easy and reliable standard models, application-focused models for small samples or large containers, and special electrodes for specific sample characteristics.



Application Notes

LAQUATwin pocket meters offer quick and convenient alternative to analyze important parameters with high accuracy. Several application notes are available at (<http://goo.gl/znwE6j>) detailing the use of LAQUATwin and the results achieved for the respective applications. Additional application notes will be added when available.



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