



## HQ30D Digital multi meter kit, pH Gel & LDO electrode, Std., 3m

Številka izdelka:

HQ30D.99.103303

**ZASTAREL IZDELEK**  
Ta izdelek ni več na voljo.

### Rugged portable meters for use in the field and plant.

Portable single channel multi meter for pH, ORP, conductivity, TDS, Resistivity, Salinity and LDO. Instrument with Standard pH Gel electrode and Standard LDO sensor, cable length 3m.

The digital meter/electrode system combines reliability, flexibility and ease of use. Interchangeable Intellical electrodes are recognised automatically and store all relevant data. Rugged, nearly indestructible outdoor versions with multiple cable lengths enable measurements even at previously inaccessible locations.

Replaced by NEW HQ Series.

Outstanding reliability and simple handling

Versatile electrodes for all applications, e.g. wastewater, drinking water, process water

Reliable results from inaccessible measurement locations and over long distances - even for pH

Error-free O<sub>2</sub> results - without calibration or replacing the electrolyte

Full GLP data management

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### Specifikacije

|                                           |                                                                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC in USB delovanje:                      | Optional                                                                                                                                                |
| Delovna sporočila o napakah:              | Clear text error messages displayed                                                                                                                     |
| Delovni pogoji: relativna vlažnost zraka: | 90 % relative humidity (non-condensing)                                                                                                                 |
| Delovni pogoji: temperatura:              | 0 - 60 °C (32 - 140 °F)                                                                                                                                 |
| Delovni vmesnik:                          | Soft Touch Keypad                                                                                                                                       |
| Določen izbor pufrov:                     | Color-coded: 4.01, 7.00, 10.01 pH;<br><br>IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45<br><br>DIN: 1.09, 4.65, 9.23<br><br>User-defined custom buffer sets |
| Funkcija zaklepanje zaslona:              | Continuous / Auto-stabilization ("press to read") / At Interval                                                                                         |
| Garancija:                                | 36 mesecev                                                                                                                                              |

|                                            |                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GLP značilnosti:                           | Date; Time; Sample ID; Operator ID                                                                                                                                                                                                                                                                                                                                     |
| Inštrument:                                | Portable                                                                                                                                                                                                                                                                                                                                                               |
| IP ocena ohišja:                           | IP67                                                                                                                                                                                                                                                                                                                                                                   |
| ISE direktno merjenje:                     | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| ISE kalibracija elektrode:                 | 2 to 5 Points                                                                                                                                                                                                                                                                                                                                                          |
| Izvoz podatkov:                            | Download via USB connection to PC or flash memory device. Automatically transfer entire data log or as readings are taken. Power supply adapter required.                                                                                                                                                                                                              |
| jeziki:                                    | English, French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese, Turkish, Swedish, Czech, Russian                                                                                                                                                                                                                                                         |
| Merilna metoda:                            | Probe specific programmed method settings                                                                                                                                                                                                                                                                                                                              |
| Meritev barometričnega tlaka:              | Automatic compensation of DO when using an LDO or LBOD probe                                                                                                                                                                                                                                                                                                           |
| Meritev DO:                                | 0.1 to 20.0 mg/L (ppm) 1 to 200% saturation                                                                                                                                                                                                                                                                                                                            |
| Meritev slanosti:                          | 0 - 42 (ppt) (‰)                                                                                                                                                                                                                                                                                                                                                       |
| Meritev temperature:                       | °C or °F                                                                                                                                                                                                                                                                                                                                                               |
| Meritve prevodnosti:                       | 0.01 µS/cm - 200.0 mS/cm                                                                                                                                                                                                                                                                                                                                               |
| Meritve prevodnosti pri stabilnem branju:  | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| Meritve prevodnosti: popravek temperature: | None; Linear; NaCl Non-Linear Natural Water.                                                                                                                                                                                                                                                                                                                           |
| Merjenje upornosti:                        | 2,5 Ωcm - 49 MΩcm                                                                                                                                                                                                                                                                                                                                                      |
| Model:                                     | HQ30D – Multi/1 Channel                                                                                                                                                                                                                                                                                                                                                |
| mV meritev :                               | -1500 - 1500 mV                                                                                                                                                                                                                                                                                                                                                        |
| mV meritev pri stabilnem odčitavanju:      | Yes                                                                                                                                                                                                                                                                                                                                                                    |
| mV resolucija:                             | 0.1 mV                                                                                                                                                                                                                                                                                                                                                                 |
| Natančnost prevodnosti:                    | ± 0.5 in (1µS/cm - 200mS/cm) range                                                                                                                                                                                                                                                                                                                                     |
| Needed Cable Length:                       | 3                                                                                                                                                                                                                                                                                                                                                                      |
| Obseg dobave:                              | Meter package includes HQ30D Portable Meter; 4 AA batteries, PHC101 Laboratory Gel pH Electrode, 3 m cable; LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 3 m Cable; quick-start guide and user manuals; Standard Field case; Protective Glove for Portable HQd Meter; 120 mL Sample Container (x5); Singlet™ pH 4 & 7 Buffer pouches 10 of each |
| Parameter:                                 | pH/Oxydo Reduction Potential (ORP)                                                                                                                                                                                                                                                                                                                                     |
|                                            | Conductivity/Total Dissolved Solid (TDS)/Salinity/Resistivity                                                                                                                                                                                                                                                                                                          |
|                                            | Dissolved Oxygen (DO)                                                                                                                                                                                                                                                                                                                                                  |
|                                            | Biochemical Oxygen Demand (BOD)                                                                                                                                                                                                                                                                                                                                        |
|                                            | Ion Selective Electrode (ISE): Ammonia, Ammonium, Chloride, Fluoride, Nitrate, Sodium                                                                                                                                                                                                                                                                                  |
| Parameters:                                | pH                                                                                                                                                                                                                                                                                                                                                                     |
|                                            | Dissolved Oxygen                                                                                                                                                                                                                                                                                                                                                       |
|                                            | NA                                                                                                                                                                                                                                                                                                                                                                     |
| PC data transfer software :                | HQD Series Meter Data Transfer Utility                                                                                                                                                                                                                                                                                                                                 |
| pH Electrode calibration:                  | 1 - 3 Calibration points                                                                                                                                                                                                                                                                                                                                               |
|                                            | Calibration summary data logged and displayed                                                                                                                                                                                                                                                                                                                          |
| pH Measurement Range:                      | 0 - 14 pH                                                                                                                                                                                                                                                                                                                                                              |
| pH resolucija:                             | Možnost izbire med 0.001 - 0.1 pH                                                                                                                                                                                                                                                                                                                                      |
| Pomnilnik podatkov:                        | Automatic, GLP ISO compliant reading data stored with batteriescalibration details.                                                                                                                                                                                                                                                                                    |
| Pomnilnik/hranjenje podatkov:              | 500 records/FIFO                                                                                                                                                                                                                                                                                                                                                       |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Posebni kalibracijski standardi:      | Yes                                                                                                                                                                                                                                                                                                                                                                                                  |
| Potrdila o skladnosti:                | CE.WEEE                                                                                                                                                                                                                                                                                                                                                                                              |
| Printer:                              | Yes, Optional                                                                                                                                                                                                                                                                                                                                                                                        |
| Resolucija DO:                        | 0.1                                                                                                                                                                                                                                                                                                                                                                                                  |
| Resolucija prevodnosti:               | 0.01 µS/cm - 0.1 mS/cm upon selected measuring range                                                                                                                                                                                                                                                                                                                                                 |
| Salinity resolution:                  | 0.01 (ppt) (‰)                                                                                                                                                                                                                                                                                                                                                                                       |
| Samodejno prepoznavanje pufra:        | Yes                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensor A:                             | PHC10103 (3 m)                                                                                                                                                                                                                                                                                                                                                                                       |
| Sensor B:                             | LDO10103 (3 m)                                                                                                                                                                                                                                                                                                                                                                                       |
| Sensor C:                             | NA                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sensors:                              | Sensor A: PHC10103<br><br>Sensor B: LDO10103<br><br>Sensor C:                                                                                                                                                                                                                                                                                                                                        |
| Sestava:                              | No                                                                                                                                                                                                                                                                                                                                                                                                   |
| Set?:                                 | Da                                                                                                                                                                                                                                                                                                                                                                                                   |
| Simultaneous measurements:            | Yes, 2 channels                                                                                                                                                                                                                                                                                                                                                                                      |
| Sonde vključene:                      | PHC10103, LDO10103                                                                                                                                                                                                                                                                                                                                                                                   |
| TDS meritve:                          | 0,0 - 50,0 mg/L                                                                                                                                                                                                                                                                                                                                                                                      |
| TDS resolucija:                       | 0.01 mg/L up - 0.1 g/L upon measuring range                                                                                                                                                                                                                                                                                                                                                          |
| Temperaturna kompenzacija:            | Samodejna temperaturna kompenzacija za pH                                                                                                                                                                                                                                                                                                                                                            |
| Temperaturna natančnost:              | ± 0.3 °C                                                                                                                                                                                                                                                                                                                                                                                             |
| Temperaturna resolucija:              | 0,1 °C                                                                                                                                                                                                                                                                                                                                                                                               |
| Teža:                                 | 350 g (0.75 lb) without batteries; 430 g (0.95 lb) with batteries                                                                                                                                                                                                                                                                                                                                    |
| Type of measurement:                  | Field Measurements                                                                                                                                                                                                                                                                                                                                                                                   |
| Umeritev DO elektrode:                | * 100% (water-saturated air (100%) calibration<br><br>* 100% with 0 (water-saturated air (100%) calibration with 0 point<br><br>* mg/L (calibration with a specified dissolved oxygen concentration (mg/L) solution)<br><br>* mg/L with 0 (calibration with a specified dissolved oxygen concentration (mg/L) solution with 0 point)<br><br>* Factory (calibration with the default LDO calibration) |
| Umeritev elektrode CDC:               | Demal (1D/ 0.1D/ 0.01D);<br><br>Molar (0.1M/ 0.01M/0.001M);<br><br>NaCl (0.05%; 25µS/cm; 1000µS/cm; 18mS/cm);<br><br>Standard sea water;<br><br>User defined                                                                                                                                                                                                                                         |
| Umeritveni intervali/alarmi/opomniki: | Izklopljeno, izbira od 2 uri do 7 dni                                                                                                                                                                                                                                                                                                                                                                |
| Umerjenje ORP elektrode:              | Predefined ORP standards (including Zobell's solution)                                                                                                                                                                                                                                                                                                                                               |
| Vhodi:                                | 1                                                                                                                                                                                                                                                                                                                                                                                                    |
| Vrsta sonde:                          | Intellical Digital SMART Standard Laboratory or Rugged Field                                                                                                                                                                                                                                                                                                                                         |
| Vrsta zaslona:                        | 240 x 160 pixel LCD with batteriesbacklight illumination                                                                                                                                                                                                                                                                                                                                             |
| Vsebina paketa:                       | Meter package includes HQ30D Portable Meter; 4 AA batteries, PHC101 Laboratory Gel pH Electrode, 3 m cable; LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor,                                                                                                                                                                                                                      |

3 m Cable; quick-start guide and user manuals; Standard Field case; Protective Glove for Portable HQd Meter; 120 mL Sample Container (x5); Singlet pH 4 & 7 Buffer pouches 10 of each

Zaslón: LCD (osvetlitev iz ozadja):

Detailed mode/Large mode

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## Vsebina paketa

Meter package includes HQ30D Portable Meter; 4 AA batteries, PHC101 Laboratory Gel pH Electrode, 3 m cable; LDO101 Laboratory Luminescent/Optical Dissolved Oxygen (DO) Sensor, 3 m Cable; quick-start guide and user manuals; Standard Field case; Protective Glove for Portable HQd Meter; 120 mL Sample Container (x5); Singlet pH 4 & 7 Buffer pouches 10 of each