



## HQ40D Digital multi meter kit, LDO sensor, Outdoor, 5m

**Produktnr:**

**HQ40D.99.305000**

### UTGÅNGEN ARTIKEL

Den här artikeln är inte längre tillgänglig.

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

Portable two channel multi meter for pH, ORP, conductivity, TDS, Resistivity, Salinity, LDO and ISE. Instrument with Outdoor LDO sensor, cable length 5m.

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.

Measurement performance certified according to MCERTs regulation

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**

### Specifikationer

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| AC- och USB-drift:               | Included                                                     |
| Användargränssnitt:              | Soft Touch Keypad                                            |
| Användningsfelmeddelanden:       | Clear text error messages displayed                          |
| Automatisk buffertidentifiering: | Yes                                                          |
| Barometertrycksmätning :         | Automatic compensation of DO when using an LDO or LBOD probe |
| CDC-elektrodkalibrering:         | Demal (1D/ 0.1D/ 0.01D);                                     |
|                                  | Molar (0.1M/ 0.01M/0.001M);                                  |
|                                  | NaCl (0.05%; 25µS/cm; 1000µS/cm; 18mS/cm);                   |
|                                  | Standard sea water;                                          |

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                              | User defined                                                                                                                                                                                                                                                                                                                                                                                                |
| Certifieringar:                              | CE.WEEE                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dataexport:                                  | Download via USB connection to PC or flash memory device. Automatically transfer entire data log or as readings are taken.                                                                                                                                                                                                                                                                                  |
| Datalagring:                                 | Automatic, GLP ISO compliant reading data stored with batteriescalibration details.                                                                                                                                                                                                                                                                                                                         |
| Datalagring/minne:                           | 500 records/FIFO                                                                                                                                                                                                                                                                                                                                                                                            |
| Direkt ISE-mätning:                          | Yes                                                                                                                                                                                                                                                                                                                                                                                                         |
| Display :                                    | Detailed mode/Large mode                                                                                                                                                                                                                                                                                                                                                                                    |
| Displaylåsfunktion:                          | Continuous / Auto-stabilization ("press to read") / At Interval                                                                                                                                                                                                                                                                                                                                             |
| Displaytyp:                                  | 240 x 160 pixel LCD with batteriesbacklight illumination                                                                                                                                                                                                                                                                                                                                                    |
| DO-elektrodkalibrering:                      | <p>* 100% (water-saturated air (100%) calibration</p> <p>* 100% with 0 (water-saturated air (100%) calibration with 0 point</p> <p>* mg/L (calibration with a specified dissolved oxygen concentration (mg/L) solution)</p> <p>* mg/L with 0 (calibration with a specified dissolved oxygen concentration (mg/L) solution with 0 point)</p> <p>* Factory (calibration with the default LDO calibration)</p> |
| DO-mätning:                                  | 0.1 to 20.0 mg/L (ppm) 1 to 200% saturation                                                                                                                                                                                                                                                                                                                                                                 |
| DO-upplösning:                               | 0.01 mg/L eller 0.1 % DO-mättnad                                                                                                                                                                                                                                                                                                                                                                            |
| Egna kalibreringsstandarder:                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                         |
| Fast buffertval:                             | <p>Color-coded: 4.01, 7.00, 10.01 pH;</p> <p>IUPAC: 1.679, 4.005, 7.000, 10.012, 12.45</p> <p>DIN: 1.09, 4.65, 9.23</p> <p>User-defined custom buffer sets</p>                                                                                                                                                                                                                                              |
| Garanti :                                    | 36 månader                                                                                                                                                                                                                                                                                                                                                                                                  |
| Givare ingår:                                | LDO10105                                                                                                                                                                                                                                                                                                                                                                                                    |
| Givartyp:                                    | Intellical Digital SMART Standard Laboratory or Rugged Field                                                                                                                                                                                                                                                                                                                                                |
| GLP-funktioner:                              | Date; Time; Sample ID; Operator ID                                                                                                                                                                                                                                                                                                                                                                          |
| Ingångar:                                    | 2                                                                                                                                                                                                                                                                                                                                                                                                           |
| Innehåll:                                    | No                                                                                                                                                                                                                                                                                                                                                                                                          |
| Instrument:                                  | Portable                                                                                                                                                                                                                                                                                                                                                                                                    |
| ISE-elektrodkalibrering:                     | 2 to 5 Points                                                                                                                                                                                                                                                                                                                                                                                               |
| Kalibreringsintervall/varningar/påminnelse : | Av, kan väljas från 2 timmar till 7 dagar                                                                                                                                                                                                                                                                                                                                                                   |
| Kapslingens Skyddsklass IP:                  | IP67                                                                                                                                                                                                                                                                                                                                                                                                        |
| Kit?:                                        | Ja                                                                                                                                                                                                                                                                                                                                                                                                          |
| Konduktivitet, noggrannhet:                  | ± 0.5 in (1µS/cm - 200mS/cm) range                                                                                                                                                                                                                                                                                                                                                                          |
| Konduktivitet, upplösning:                   | 0.01 µS/cm - 0.1 mS/cm upon selected measuring range                                                                                                                                                                                                                                                                                                                                                        |
| Leveransomfattning:                          | Meter package includes HQ40D Portable Meter; 4 AA batteries, Power adapter, USB/DC power adapter for data transfer; LDO101 Rugged Luminescent/Optical Dissolved Oxygen (DO) Sensor, 5 m Cable; quick-start guide and user manuals; Standard Field case; Protective Glove for Portable HQd Meter; 120 mL Sample Container (x5)                                                                               |
| Mätmetod:                                    | Probe specific programmed method settings                                                                                                                                                                                                                                                                                                                                                                   |
| Mätning av konduktivitet:                    | 0.01 µS/cm - 200.0 mS/cm                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                      |                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Mätning av konduktivitet på stabil avläsning:        | Yes                                                                                                            |
| Mätning av konduktivitet:<br>Temperaturkompensering: | None; Linear; NaCl Non-Linear Natural Water.                                                                   |
| Modell:                                              | HQ40D – Multi/2 kanaler                                                                                        |
| mV-mätning :                                         | -1500 - 1500 mV                                                                                                |
| mV-mätning vid stabil avläsning :                    | Yes                                                                                                            |
| mV-upplösning :                                      | 0.1 mV                                                                                                         |
| Needed Cable Length:                                 | 5                                                                                                              |
| Omgivningsförhållande: relativ luftfuktighet :       | 90 % relative humidity (non-condensing)                                                                        |
| Omgivningsförhållande: temperatur :                  | 0 - 60 °C (32 - 140 °F)                                                                                        |
| ORP/redox-elektrodkalibrering:                       | Predefined ORP standards (including Zobell's solution)                                                         |
| 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:                                          | Dissolved Oxygen                                                                                               |
|                                                      | NA                                                                                                             |
|                                                      | NA                                                                                                             |
| PC data transfer software :                          | HQD Series Meter Data Transfer Utility                                                                         |
| pH Accuracy:                                         | ± 0,002 pH                                                                                                     |
| pH Electrode calibration:                            | 1 - 3 Calibration points                                                                                       |
|                                                      | Calibration summary data logged and displayed                                                                  |
| pH Measurement Range:                                | 0 - 14 pH                                                                                                      |
| pH-upplösning :                                      | Valbart mellan 0.001 - 0.1 pH                                                                                  |
| Printer:                                             | Yes, Optional                                                                                                  |
| Resistivitetsmätning:                                | 2,5 Ωcm - 49 MΩcm                                                                                              |
| Salinitetsmätning:                                   | 0 - 42 (ppt) (‰)                                                                                               |
| Salinity resolution:                                 | 0.01 (ppt) (‰)                                                                                                 |
| Sensor A:                                            | LDO10105 (5 m rugged)                                                                                          |
| Sensor B:                                            | NA                                                                                                             |
| Sensor C:                                            | NA                                                                                                             |
| Sensors:                                             | Sensor A: LDO10105                                                                                             |
|                                                      | Sensor B: NA                                                                                                   |
|                                                      | Sensor C:                                                                                                      |
| Simultaneous measurements:                           | Yes, 2 channels                                                                                                |
| Språk:                                               | English, French, German, Italian, Spanish, Danish, Dutch, Polish, Portuguese, Turkish, Swedish, Czech, Russian |
| TDS-mätning:                                         | 0,0 - 50,0 mg/L                                                                                                |
| TDS-noggrannhet:                                     | 0.01 mg/L up - 0.1 g/L upon measuring range                                                                    |

|                         |                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperaturkompensation: | Automatisk temperaturkompensering för pH                                                                                                                                                                                                                                                                                      |
| Temperaturmätning:      | °C or °F                                                                                                                                                                                                                                                                                                                      |
| Temperaturnoggrannhet:  | ± 0,3 °C                                                                                                                                                                                                                                                                                                                      |
| Temperaturupplösning :  | 0,1 °C                                                                                                                                                                                                                                                                                                                        |
| Type of measurement:    | Field Measurements                                                                                                                                                                                                                                                                                                            |
| Upplösning:             | ± 0,5 % inom området (1 µS/cm - 200 mS/cm)                                                                                                                                                                                                                                                                                    |
| Vad ingår i leveransen: | Meter package includes HQ40D Portable Meter; 4 AA batteries, Power adapter, USB/DC power adapter for data transfer; LDO101 Rugged Luminescent/Optical Dissolved Oxygen (DO) Sensor, 5 m Cable; quick-start guide and user manuals; Standard Field case; Protective Glove for Portable HQd Meter; 120 mL Sample Container (x5) |
| Vikt :                  | 398 g (0.75 lb) without batteries; 430 g (0.95 lb) with batteries                                                                                                                                                                                                                                                             |

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## Vad finns i förpackningen

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