

## FORELØBIG DATABLAD BASERET PÅ ONSSET'S HJEMMESIDE

### Conductivity Measurements:

#### Measurement Range

Electrical conductivity and specific conductance: 0 to 100,000  $\mu\text{S/cm}$

Salinity using PSS-78: 2 to 42 PSU

Total Dissolved Solids (TDS): 0 to 100,000 mg/L

#### Calibration Range

Electrical conductivity: 50 to 80,000  $\mu\text{S/cm}$

5° to 35°C (41° to 95°F)

#### Accuracy

Conductivity: +/-2% or 15  $\mu\text{S/cm}$  whichever is greater

Salinity: +/-2% of reading or 0.1 PSU, whichever is greater

#### Resolution

Conductivity: 0.1  $\mu\text{S/cm}$  from 0 to 1,000  $\mu\text{S/cm}$  | 1  $\mu\text{S/cm}$  from 1,000 to 10,000  $\mu\text{S/cm}$

| 10  $\mu\text{S/cm}$  from 10,000 to 100,000  $\mu\text{S/cm}$

Salinity: 0.01 PSU

TDS: 0.1 mg/L

#### Response Time

1 second to 90% at a stable temperature

### Temperature Measurements:

#### Range

-20° to 50°C (-40° to 122°F), non-freezing water

#### Accuracy

$\pm 0.15^\circ\text{C}$  ( $\pm 0.27^\circ\text{F}$ ) from 0° to 50°C (32° to 122°F)

#### Resolution

0.01°C at 25°C (0.018°F at 77°F)

#### Response Time

3 minutes to 90% in water (typical)

#### Drift

<0.1°C (0.18°F) per year

### Sensor:

#### Dimensions

2.5 cm (1 inch) diameter, 15 cm (6 inches) length

#### Weight

Approximately xx g (xx oz) in air; approximately xx g (xx oz) in saltwater

#### Wetted Materials

Passivated 316 Stainless steel housing rated for use in saltwater, Viton and Buna-N

O-rings, PET sensor connector

Conductivity sensor: PET, platinum plating on electrodes

Note: Sensor should be mounted so that it is not in contact with other metals

#### Environmental Rating

IP68; Waterproof to 100m