

Affordable CTD for coastal ocean

Tegaru-CTD

Robust, compact and low cost

ISO9001



JQA0950



- Easy data visualization during field work
- Operation via tablet or smartphone
- Data transfer via Bluetooth® wireless technology
- Wireless charging



JFE Advantech Co., Ltd.

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Model: ACTDf-BT

■ Description

This instrument is a compact-size CTD that can be charged wirelessly and uses Bluetooth® communication with smartphones or tablets running AndroidOS. Its simple operational approach, robustness and low-cost allows for a variety of applications, such as small-scale fisheries and aquaculture.

■ Sensor Specifications

| Sensor | Pressure | Temperature | Conductivity | Salinity |
|------------------------------|----------------|-----------------------|---|--------------------------|
| Principle | Semi conductor | Thermistor | 5-electrode | Practical salinity scale |
| Accuracy | ±1% FS | ±0.2°C ⁽²⁾ | ±0.2 mS cm ⁻¹ ⁽³⁾ | - |
| Measurement range | 0 to 200 m | -3 to 45°C | 0.5 to 70 mS cm ⁻¹ | 2 to 42 |
| Response time ⁽¹⁾ | <0.1 s | <0.2 s | <0.2 s | <0.2 s (63%) |

⁽¹⁾ typical

⁽²⁾ from 3 to 31°C

⁽³⁾ from 20 to 50 mS cm⁻¹

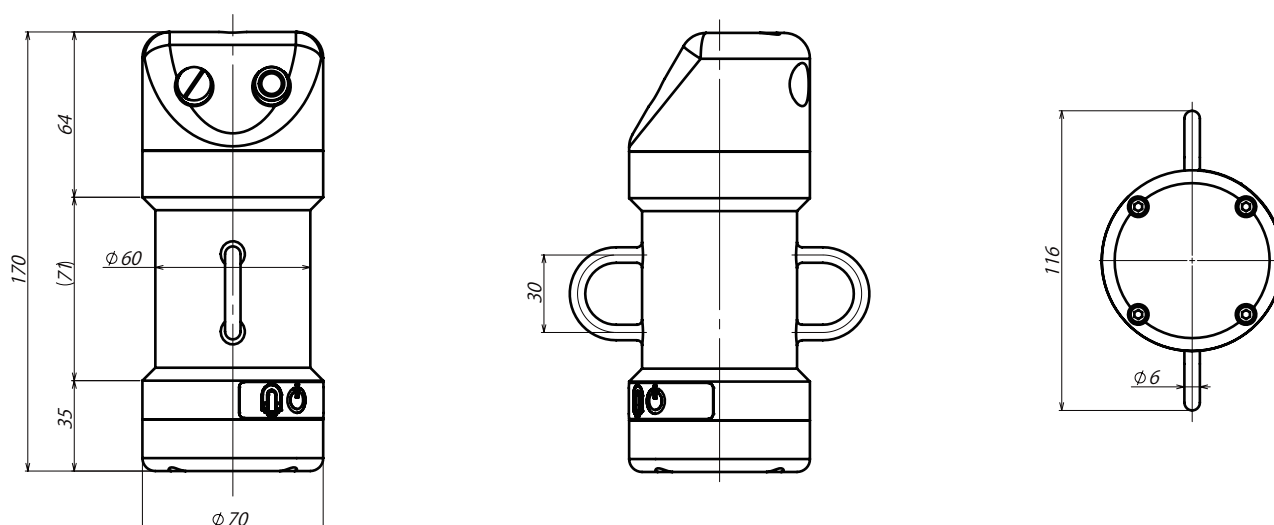
■ Instrument Specifications

| | | |
|--------------------|--|---------------|
| Communication | Bluetooth® wireless technology | |
| Measurement mode | Initiates measuring automatically at 2 m deep | |
| Sampling frequency | 10Hz | |
| Power | Rechargeable Lithium-Ion Battery (wireless charging) | |
| Operation | More than 12h (continuous) | |
| Data output | CSV format | |
| Dimensions | Bracket section width | Aprox. 116 mm |
| | Main body | Φ70mm×170mm |
| Weight | Approx. 0.9 kg (in air) | |
| Depth rating | 300 m depth equivalent | |

Data transfer via Bluetooth® wireless technology



■ Drawing



※ Dimensions are in mm. ※ All specifications on this leaflet are subject to change without notice.



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