



**JFE**

# INFINITY-TD

ATD-USB

*Temperature and Pressure Logger*



*Robust, high accuracy, and low-cost*

**JFE Advantech Co., Ltd.**

# INFINITY-TD

Model: ATD-USB

## ■ Description

INFINITY-TD is a temperature and pressure logger, making use of a highly reliable thermistor with fast time response and an accurate pressure sensor. The compact design is suitable to be deployed/integrated with various sites/platforms. The instrument has three depth rating versions: 50, 500 and 2000 m.

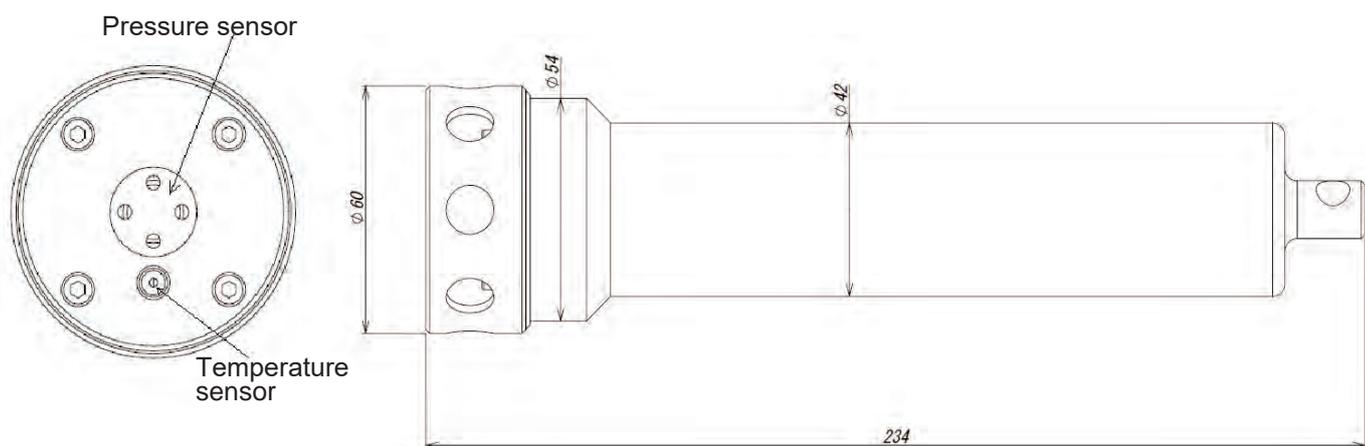
## ■ Sensor Specifications

Sensor	Temperature	Pressure
Measurement range	-3 to 45 °C	0 to 50, 500 or 2000 dbar
Accuracy	±0.01 °C (0 to 35 °C)	±0.3% FS
Resolution	0.001 °C	0.001 dbar

## ■ Instrument Specifications

Model	ATD-USB
Memory medium	1 GB miniSD card
Battery	CR-V3 3.3 Ah Lithium battery (maximum 2 batteries)
Communication	USB 2.0 (ver 1.1 compatible)
A/D converter	16 bit digital conversion
Sampling interval	0.1 to 1.0 s (0.1 s increment), 1 to 600 s (1 s increment)
Burst sampling interval	1 to 1,440 min (1 min increment)
Current consumption	Less than 45 mA
Number of samples per burst	1 to 18,000 samples
Dimensions	Φ60 × 234 mm (including sensor guard)
Weight	Approx. 1 kg in air, 0.6 kg in water
Depth rating	50 or 500 or 2000 m depth equivalent
Materials	Titanium (grade 2)

## ■ Drawings



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



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