

For Vessel / Land / Industrial Use
Mercury Alternative Thermometer

TRA-700

*To be released in 2018 (Patent Acquired)

NEWS RELEASE for NEW PRODUCT

As an alternative to Bar Mercury Thermometer

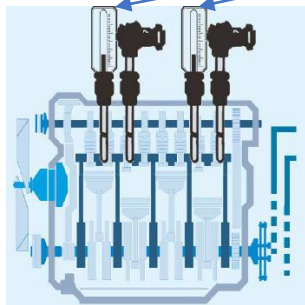
“Minamata Convention on Mercury”

TRA-700 is the countermeasure product to cope with the prohibition of manufacturing products using mercury by the end of 2020.

Features:

- Electronic Paper Display Apparatus with good visibility.
- Bar graph indication for convenient intuitive comprehension
- Easy-to-Read digital numeric display
- Accurate measurement with K-Thermocouple
- Temperature Sensing Part: Max. 550°C
- Indication (numerical indication): -5 to 725°C (by 1°C unit)
- Screw portion can withstand up to 300°C with the patented thermal insulation isolation structure.
- Small-size equal to that of mercury thermometer.

Usage:



Engine Exhaust Gas Temperature

Freezer Brine



As an alternative auxiliary thermometer
In place of bar mercury thermometer.

- As an alternative to mercury thermometer to measure exhaust gas temp. of vessel engine.
- As an alternative to low temperature measuring mercury thermometer for the Freezer cooling medium.
- For measuring various high & low temperatures which is out of application range for the alcohol thermometer.

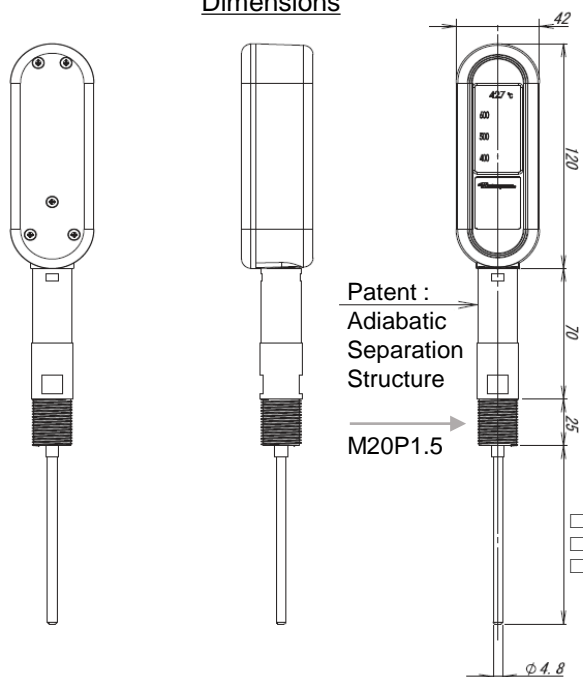
1. Product Name

Electronic Paper Type Mercury Alternative Thermometer Model: "TRA-700"

2. General Specification

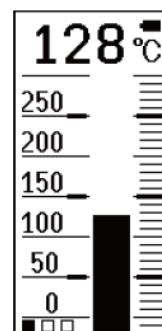
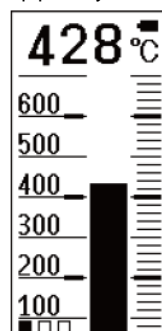
1. Temperature Display Range : -5 to 725°C (Value Indication, Bar Indication)
2. Measuring Accuracy : Reading $\pm 0.5\%F.S$ (± 1 digit) (-4 to 700°C)
3. Resolution : Numerical Indication: 1°C
Bar Indication: 2°C scale (60°C range), 10°C scale (300°C range), 20°C scale (700°C range)
4. Indication Contents : Numerical + Bar Indication by electronic paper
3-range Auto-bar display=60°C range, 300°C range, 700°C range
5. Waterproof Performance : IP64 equivalent
6. Operating Temp. / Humidity : 0 to 50°C (30 to 90%) No condensation
7. Measuring Interval : Appx. 10 sec. to appx. 180 sec.
(Auto-Set depending on the temperature change)
8. Storage Temp. / Humidity : -20°C to 60°C (30 to 90%RH) No icing or condensation.
9. Power Source : CR17450A – 2WK35 (3V Lithium Battery)
10. Battery Life : Appx. 5 years or more(Target Value)
※Life will change according to display update cycle.
11. External Dimension : Refer to drawing below
(sensor portion will depend on its specification)
12. Weight : Appx. 360gms.

Dimensions

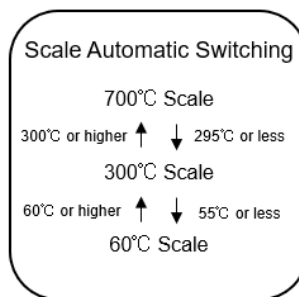
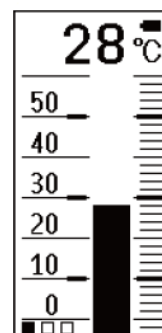


Electric Paper Display

700°C Scale (Exhaust pipe / Cylinder etc.) 300°C Scale (Fuel oil / Lubricating oil etc.)



60°C Scale (Pure water / Sea water etc.)



(Patent Acquired)

(Design Registered)

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