

Suitable for: RITTER Drum-type Gas Meters

Filling liquid: Isoamylbenzoat »IAB«

Measuring Range

0 °C	to+ 80 °C	scale graduation 0.5 °C
15 °C	to + 30 °C	scale graduation 0.1 °C



Application

The Thermometer (Packing Liquid) can be used for measurement of the Packing Liquid temperature while measuring the gas flow.

According to the rules for calibration and measurement with Drum-type Gas Meters, the temperature of the Packing Liquid may vary from the gas temperature by up to 0.5 °C at most. A greater temperature deviation would cause too great a change to the gas temperature when the gas comes unavoidably into contact with the Packing Liquid during measurement. This temperature change would cause an unknown change in the volume of the measured gas which might lead to a measurement/indication error.

Installation

Unpack the Thermometer. Unscrew the closing cap of the Thermometer (Packing Liquid) support on the Gas Meter. Mount the Thermometer by inserting it carefully through the Thermometer (Packing Liquid) support. Seal the Gas Meter's housing by tightly screwing the union nut which is attached to the Thermometer. Thus, the Thermometer is ready for use. The removed closing cap of the support can be stored easily by screwing it onto the respective thread support located at the base plate of the gas meter.

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The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheet/thermometer-tg-packing-liquid/>

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