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$p_a$	=	actual Pressure in	[mbar-absolut]
$T_N$	=	Norm Temperature in	[Kelvin]
$T_i$	=	indicated Temperature in	[Kelvin]

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**Note:** The indicated gas pressure at the manometer is the differential pressure between the gas pressure at the gas inlet and the actual atmospheric air pressure. Thus, the actual gas pressure ( $p_a$ ) of the above formula equals the **indicated gas pressure** at the Manometer **plus** the **actual atmospheric air pressure** in [mbar].

## Installation

The Manometer is pre-mounted to the gas meter (positioned at the gas inlet nozzle). The gas inlet nozzle is labelled accordingly. Therefore, the manometer is ready for use and no further installation is to be performed by the user.

**Please note:** The manometer screw connection to the gas meter is sealed by Teflon® tape. When disassembling the manometer from the gas meter, the Teflon® tape cannot be used again and must be replaced by a new Teflon® tape.

Image bourdon tube pressure gauge

Source: WIKA Alexander Wiegand SE & Co. KG, 63911 Klingenberg/Germany, Data sheet PM 02.02 . 03/2017

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The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheet/manometer-up-to-10-bar/>

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