

Precision Barometer

Instruction for use 3.1530.00.000



The precision metal barometer is provided with a scale divided in hPa resp. mbar and serves for the accurate measurement of atmospheric pressure.

The dark indicator shows the momentary atmospheric pressure. The tip is especially improved to avoid parallax error and must appear as hairline when reading. The read value has to be corrected by means of the attached test certificate. The adjustable marking indicator serves for the determination of changes of pressure; it is advisable to set it, after measurement, to the position of the dark pointer, with help of the knurled screw, situated in the middle of the scale cover glass. Thus, a simple control of the change of pressure between two measurements is possible.

In case there is found an indicating error - when comparing the instrument with a normal barometer - readjustment can be effected with a screw driver through the borehole in the back of the housing centre, in order to rectify this deviation.

On account of the thermal inertia of the closed instrument, the thermometer at the lower part of the scale can only be read after a sufficient temperature adaptation has taken place.

Technical data

Measuring range	: 920...1050 hPa -6 ... + 46°C
Accuracy	: ± 1 % FS
Elevation above see level	: 0 ... 500 m
Graduation	: 0,5 hPa; 1°C
Measuring system	: Set of aneroid capsules- temperature compensated
Diameter of Scale	: 115 mm
Dimensions	: 150 x 150 x 75 mm
Weight	: 720 g



ADOLF THIES GmbH & Co. KG

Hauptstraße 76 37083 Göttingen Germany
P.O. Box 3536 + 3541 37025 Göttingen
Phone ++551 79001-0 Fax ++551 79001-65
www.thiesclima.com info@thiesclima.com



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