



Anton Paar

:: Superior Optical Instruments



Abbemat T-Check

On-site temperature calibration and adjustment for the most precise refractive index measurements

Time for Abbemat T-Check:

Precise refractive index measurements at the correct temperature

The Anton Paar Abbemat T-Check is an additional feature that proves, calibrates and adjusts the temperature sensor of your Abbemat to ensure precise refractive index measurements. Like this you receive precise and fully traceable results.

Temperature is the most important external factor influencing refractive index measurements. To ensure **full traceability** of measured data, Anton Paar has developed the Abbemat T-Check. It performs a precise temperature check on the measuring prism surface of the Abbemat in comparison to an external certified temperature sensor (MKT 50 Millikelvin thermometer is required). The temperature sensor is certified to ensure a traceable temperature calibration and adjustment.

Your Anton Paar service partner performs the temperature calibration by testing the temperature (usually 20 °C and 25 °C) by means of this temperature sensor.

If the shown value is not within the specifications, the temperature sensor can easily be adjusted.

After using the Abbemat T-Check you receive a temperature calibration report with all relevant information and details. If an adjustment is performed, the temperature adjustment is documented in the Audit Trail of your Abbemat.

With the Abbemat T-Check it is now possible to

- ▶ calibrate and adjust the surface temperature of the Abbemat refractometers to ensure accurate refractive index measurements.
- ▶ document the temperature adjustment in the Audit Trail of the Abbemat.
- ▶ fulfill the requirements of the pharmaceutical qualification process.

Specifications

Measuring principle	Surface temperature measurement
Measuring range	10 °C to 85 °C (ambient temperature: 20 °C to 25 °C)
Temperature sensor	PT100
Resolution	±0.001 °C
Accuracy	±0.03 °C
Dimensions (W x D x H)	84 mm x 183 mm x 86 mm
Weight	1.13 kg
Interface	Option Port (Abbemat)
Further equipment required	MKT 50 Millikelvin thermometer with certified PT100 temperature sensor

Your distributor: