

Brabender Aquatrac- Station

The next generation of moisture measurement



Brabender[®]

... where quality is measured.

Brabender Aquatrac - Station

The solution for reliable residual moisture measurement in production and laboratories

In developing the new Aquatrac Station, we have incorporated all the experience we have gained as recognised residual moisture experts in almost sixty years of cooperation with customers from all sectors of the plastics industry worldwide.

- High-precision residual moisture measurement for the future!
- New measurement principle: Water-selective dew point measurement
- No reagents, auxiliary chemicals or carrier gases
- Exact, reliable, reproducible
- User friendly: fast, simple, intuitive
- Doesn't have errors typically associated with known measurement processes
- No trained personnel necessary



Technical Data

- Measurement principle: Water-selective dew point measurement / Precise residual moisture calculation, temperature scan
- Sample weight / Sample volume: 0.05 – 20 g dependent on the expected residual moisture proportion / max. 50 cm³
- Resolution: 0.01 mg / 1 ppm / 0.0001 % H₂O
- Precision: better than + 4 % of measuring range end value
- Measuring range: 0.0001 – 15 % H₂O (relative) / 0.01 - 15 mg H₂O (absolute)
- Measuring temperatures: 30 – 160 °C in 1 °C steps
- Measuring time: Approx. 10 – 60 min. depending on material
- Display: %, ppm, mg
- Interfaces: 3 × USB 2.0, 1 × Ethernet
- Power supply: 85 – 265 VAC / 47 – 63 Hz / max. 600 W
- Calibration: Multi-point calibration according to DIN EN ISO 15512
- Operating temperature: 10 – 45 °C
- Air humidity: 5 – 95 % non-condensing
- Protection class: IP20
- Measurement (W × H × D) / Weight: 562 mm × 275 mm × 404 mm / 27.6 kg



Highlights

No reagent, no chemicals

Measuring without additional costs or waste

Ease of use

No specialist personnel or training necessary

Precise and reproducible measurement results

Accuracy of 0.01 mg H₂O absolute

Unique analysis functions

Surface and core moisture measurement

User defineable measurement criteria

End of measurement after defined time, after falling below a quantity of water per time or exceeding the processing limit

Application areas:

- Incoming goods inspection
- Monitoring and optimisation of the granulate drying process
- Measurement of the granulate at the machine/ machine hopper
- Measurement on the finished part, e.g. after conditioning or final inspection
- Quality control in the laboratory and in production
- And much more...

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