

Moisture content is the most variable & most important property for the majority of technical plastics.

Exact knowledge of the moisture content enables you to optimize and increase the efficiency of your overall process.

Applications:

- Thermoplastics e.g ABS, PBT, Polyamides, PC, PET and more...
- Duroplastics and Elastomers
- metal powders

Key benefits:

- highly accurate water selective measuring method with resolution of 1 ppm
- simple handling, light weight and robust design

Technical data:

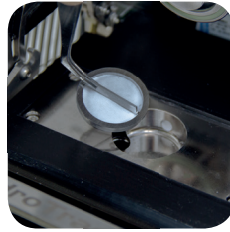
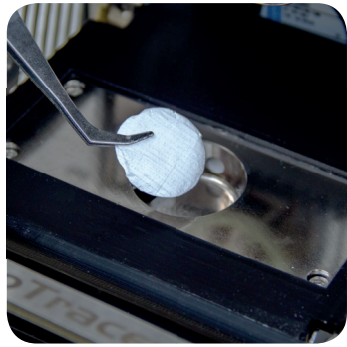
| | | |
|----------------------------|--|----------|
| Test Time | 10 – 45 minutes | |
| Test Temperature | 50 – 210°C (adjustable in 1°C steps) | |
| Sample Size | 0.01 – 50 g | |
| Reagent | CaH ₂ (granules or pad) | |
| Measuring range | 0.2 – 25 mg | absolute |
| | 0.0005 – 5% | relative |
| Accuracy | Measuring error < ± 2% | |
| Resolution | ± 1 ppm (0.0001%) | |
| | ± 0.1 – 0.6 mg (depends on measuring range) | |
| Ambient Conditions | -10 – 40°C / 90% rH (not condensing) | |
| Power Supply | 100 – 240 VAC / 1000 W | |
| Weight | 6.4 kg | |
| Dimensions | 290 × 180 × 260 mm (H × W × D) | |
| Interface | USB | |
| System Requirements | PC with min. WIN 7 SP 1 or later | |

Contact us:

www.hydrotracer.com
info@aboni.de
+49 (0) 3327 20 327



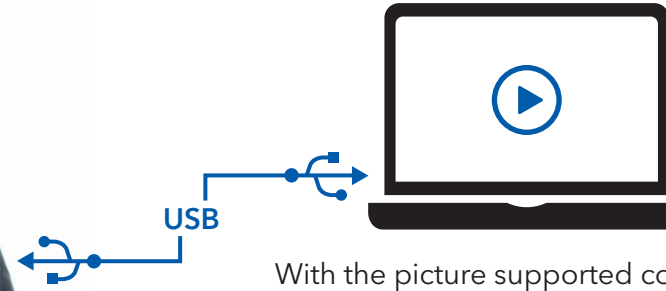
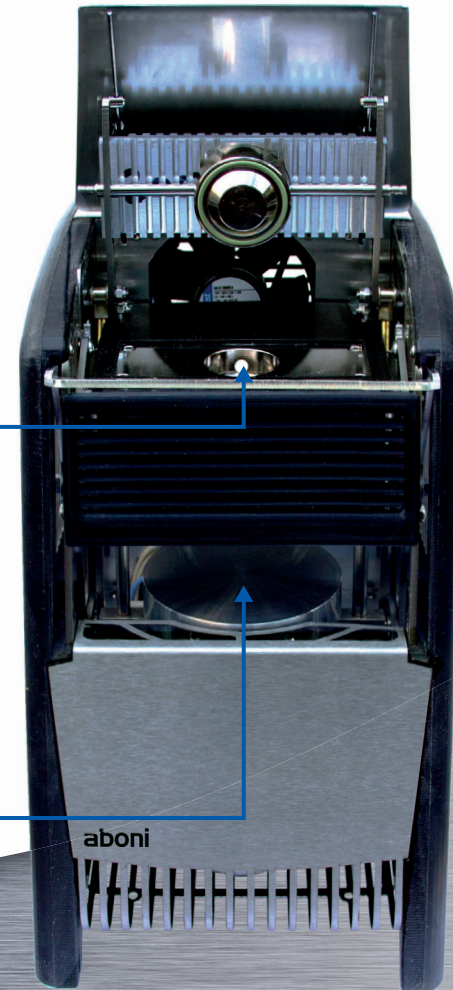
HydroTracer Moisture Analyzer



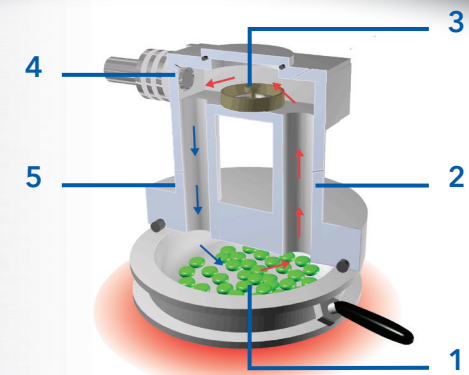
Put in the testpad to convert the water of the sample into testgas H_2
* or use alternative method with testpowder and powder tray



Place your weighed sample:
Granules, Flakes, Powders, Fibres, Films or Molds



With the picture supported computer software, you control the **HydroTracer**. Set test parameters, manage your material library and generate your test reports.



Operation:

The sample material is heated up to force the water to evaporate (1). A hot humid gas flow rises to the upper part of the reactor (2). Here, the reagent transforms water and releases hydrogen (3). A gas sensor detects the hydrogen concentration (4). The cooled dry gas descends and can absorb more water vapour (5)

