E-M-AwTherm-V1.1 Document code	Rotronic AG Bassersdorf, Switzerland Unit
AwTherm: Water Activity at Controlled Temperature Document title	Document Type

AwTherm

DATA SHEET

A2: AwTherm Specifications

General	
Device type	Temperature-stabilized water-activity measurement
Operating conditions	1..40 °C (34..107 °F)
Measurement range	0.005...1.000 aw
Accuracy	±0.005 aw ±0.1 °C (±0.18 °F)
Power supply	110..230 V / 50..60 Hz
Display	8-line LCD with touch operation
Sample sizes	Variable (14 mm / 40 mm)
Technical Information	
Current Consumption	≤2 A
Temperature-control range	0..60 °C (32..140 °F)
Temperature stability	±0.01 °C/min (±0.018 °F/min)
Chamber-temperature gradient	<0.1 °C (<0.18 °F)
Firmware update	Via USB port
Functions	
HW4-compatible	Yes (v 3.6.0 and higher)
aw-Quick function	Yes
Interface	Micro USB
Calibration / Adjustment	Aw & Temperature: HG2-S (probe removed with AwT-CAL) Aw: ROTRONIC humidity standards (via HW4)
Trend indicator	Yes
Probes	
Sensor	HYGROMER® IN-1
Maintenance / Calibration	Annual calibration (recommended)
Long-Term Stability	<0.01 aw/year
Temperature sensor	Pt100, DIN 1/3 Class B
Approval / Conformity	
Standards	ISO 21807
CE / EMC	EMC 2004/108/EC IEC/EN 61010-1:2010
IP protection	IP21
Housing / Mechanical parts	
Housing material	PC / ABS
Housing dimensions	400 x 180 x 180 mm
Sample container holder dimensions	AwT-PS14: Ø46 x 14 mm AwT-PS40: Ø46 x 40 mm
Weight	4200 g