

Electrically Aspirated Psychrometer by Frankenberger

for precise measurement of dry and wet bulb
temperature

- Double radiation screen against global- and reflected radiation.
- Radiation protective tubes chrome plated and heat insulated against each other and against thermometer holders by plastic rings.
- Ventilation unit for continuous flow speed at sensors approx. 3.5 m/s.
- Housing material: Anodised aluminium, with additional protective coating.
- Equipped with two resistance thermometers, whereas one of the thermometers - covered by a moisturing wick - is continuously moistened from a screwed-in 200 ml water container.

Models :

3010.1000	24 V AC Version
3010.2000	12 V DC Version
3010.3000	230 V AC Version
3010.4000	24 V DC Version
3010.4100	Sensors w. guaranteed characteristic within -20...+40°C
3010.4110	with plug connection



Specifications :

Sensors:	Platinum resistance thermometers Pt 100, DIN 60751 B 1/3 tolerance (± 0.1 K at 0°C)
Measuring cable:	4 x 0.5 mm ² , screened, 5 m length
Power supply:	24 V AC, approx. 110 mA resp. 12 V DC, approx. 40 mA resp. 230 V AC, approx. 160 mA resp. 24 V DC, approx. 100 mA
Power plug:	Plastic, 7 pin, sealed to IP 67
Fastening:	Cross arm with clamp
Dimensions:	max. \varnothing 173 mm, height 534 mm
Weight:	approx. 3.1 kg