

PSYCHROMETER

Determination of Humidity acc. to Frankenberger



Continuity for perfection...

is guaranteed by the specific design. The electric fan ventilates the instrument while the humidification wick is continuously moisturized. Influences of wind, radiation and evaporation are largely eliminated.

These special features guarantee the highest accuracy when “dry” and “wet” air temperature is measured.

- exceedingly accurate precision reference instrument
- high reliability
- utilization of counter flow principle to eliminate evaporation effects

science • esearch and development • professional meteorology

Professional Line

(819) Psychrometer according to Frankenberger

Measuring elements:

precision resistor Pt100 1/3 DIN 60751 class B ·
probe for characteristic line within temperature range -20...+40°C

Accuracy:

± 0.1°C at 0°C

Output:

Pt100 (4-wire circuit)

Ventilator:

> 3.5 m/s • external torque motor without collector

Housing/ Dimensions:

aluminium anodized · additional protective lacquer · H 530 mm
max. Ø 173 mm · capacity of water tank 150 cm³

Weight:

3.1 kg

Standards:

DIN 43760/ IEC 751

Varieties:

supply voltage:

00.08190.000 000

(819) 230 V_{AC} / 160 mA / 50 Hz

00.08190.000 002

(819) 24 V_{DC} / 150 mA

other models on request

