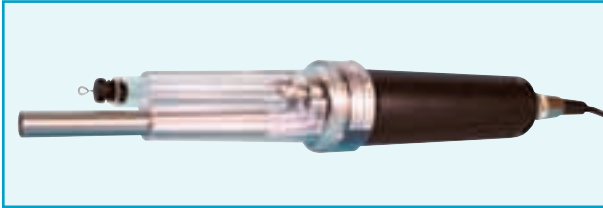


AIR HUMIDITY

Psychrometer type FNA846



- ▶ Operating range 0 to +80 °C / 10 to 100 % r.H.
- ▶ Available values :
dry temperature, relative humidity, dew point, mixture ratio,
humid temperature, partial vapour pressure



For precision measuring operations the current atmospheric pressure can be entered in ALMEMO® devices and the measured value will then be corrected automatically.

Accessories:

Measuring module for barometric pressure	Order no. F DA612MA
Connecting cable for pressure measuring module, 0.2m	Order no. ZA9060AK1
Extension pipe, 200 mm long	Order no. ZB9846VR
Plastic suction hose, 300 mm long	Order no. ZB9846PS
Tripod	Order no. ZB9846AF
Spare wicks (2 pieces)	Order no. ZB9846ED

Technical Data:

Humidity

Measuring range:	10 to 100% r.H.
Measuring type:	psychrometric
Accuracy:	±1% r.H. under nominal conditions
Reproducibility:	< 1% r.H.
Nominal conditions:	25°C ±3°C, 1013 mbar, 50% r.H.

Temperature

Sensor:	2 x NTC type N
Accuracy:	0 to 70°C: ±0.1K 70 to 80°C: ±0.4K

Electrical supply

Operating voltage:	9 V DC via ALMEMO® device
Current consumption :	approx. 10 mA

Mechanical construction

Housing:	plastic
Dimensions:	Ø 50 mm, 245 mm long
Weight:	approx. 300 g
Cable :	1.5 m long with ALMEMO® connector

Types:

Psychrometer, including water bottle, two wicks
As above with turn-off motor for WBGT measurement

Order No. FNA846
Order No. FNA846WB

Psychrometer type FNA8463 / FPA8363



- ▶ Optimized version for long-term measuring operations
- ▶ Especially suitable for high temperatures
- ▶ Operating range 0 to 90 °C / 10 to 100 % r.H.
- ▶ Available values :
dry temperature, relative humidity, dew point, mixture ratio,
humid temperature, partial vapour pressure



For precision measuring operations the current atmospheric pressure can be entered in ALMEMO® devices and the measured value will then be corrected automatically.

Accessories:

Measuring module for barometric pressure	Order no. FDA612MA
Connecting cable, 0.2 m for pressure measuring module	Order no. ZA9060AK1
Spare wicks (2 pieces)	Order no. ZB98462ED

Technical Data:

Humidity

Measuring range :	10 to 100 % r.H.
Measuring type :	psychrometric
Accuracy :	±1% r.H. under nominal conditions
Reproducibility :	< 1% r.H.
Nominal conditions :	25 ± 3 °C , 1013 mbar, 50% r.H.

Temperature FNA8463

Sensor:	2 x NTC type N
Accuracy:	0 to 70°C, ± 0.1K 70 to 90°C, ± 0.4K

Temperature FPA8363

Sensor:	2 x Pt100
Accuracy:	IEC 751, IEC 751, class B ALMEMO® adjusted

Electrical supply

Operating voltage :	12 V DC via mains supply unit
Current consumption :	approx. 40 mA

Mechanical construction

Housing :	plastic
Dimensions :	L 175 x W 50 x H 75
Weight :	approx. 890 g
Cable :	PVC (up to 90°C), 5 m with ALMEMO® connector FNA8463 : 1 cable / 1 connector FPA8363 : 2 cables / 2 connectors

Types:

(including mains supply unit, water bottle, two wicks)
Psychrometer with 2 x NTC sensors including connecting cable (one ALMEMO® connector)
Psychrometer with 2 x Pt100 sensors including connecting cable (two ALMEMO® connectors)

Order No. FNA8463
Order No. FPA8363