

universal moisture meter
 free programmable
 for wood, building material, paper, cardboard, ...



Type AD4A - analogue and digital display

Universal instrument for measuring the moisture content in wood, building materials, paper, cardboard, isolation material and other materials

It can also be used in caravans, trailers, mobile homes and for measuring the moisture in glass fibre boats (problematic nature of osmose).

Basic instrument for material moisture measurement

Technical data:

measuring range:	0 - 100% (adjustable)
resolution:	0,1%
measuring depth:	approx. 3 cm
attenuation:	0 - 99% (adjustable)
storage for moisture values:	16 x 128 moisture values
dimension:	approx. 200 x 80 x 40 mm
weight:	approx. 250 g

- the instrument can be calibrated with the optional calibration modules PE05 and PE30
- up to 500 different customer-specific linearisation curves, with up to 10 linearisation points can be implemented. Administration of the curves with a PC data base, in the display a material text is also shown. Material curves for each meter can be composed individual.
- fixed linearisation curves for a lot of common materials are already stored and can be selected
- serial interface for connecting to a PC
- different settings can be made with the software AD4A-S and also stored values can be transferred to the PC for analysis and storing on the hard disc.
- optional the instrument can be made with a aluminium case part for better protection against mechanical and electrostatical strength



optional extras:



rel. humidity, air temp.
 approx. . 7,5 x 180 mm



rel. humidity, air temp.
 approx. . 7,5 x 380 mm



rel. humidity, air temp.
 approx. . 5,5 x 190 mm



rel. humidity, air temp.
 for drilled holes Ø 8 mm



surface (wall) temperature
 approx. Ø 7,5 x 170 mm



infrared temperature
 sensor IR-sensor

Expansion with external sensors

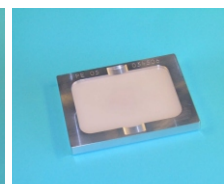
Datalogger for up to 16000 sensor values:

Sensors for relative humidity, air temperature and surface temperature can be connected.

- choice and calibration up to 20 different sensors
- dew point calculation
- display in °C or in °F
- simultaneous display for relative humidity, air temperature, surface temperature and dew point
- surface temperature measurement with contact sensor or contactless with a IR-sensor
- datalogger for recording up to 16000 sensor values



test module PE30



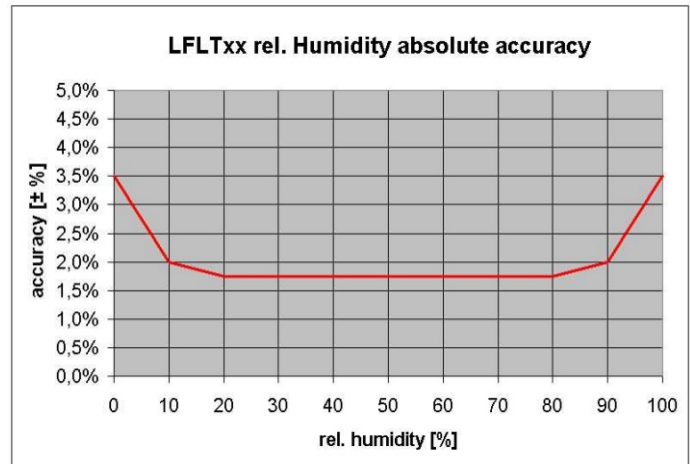
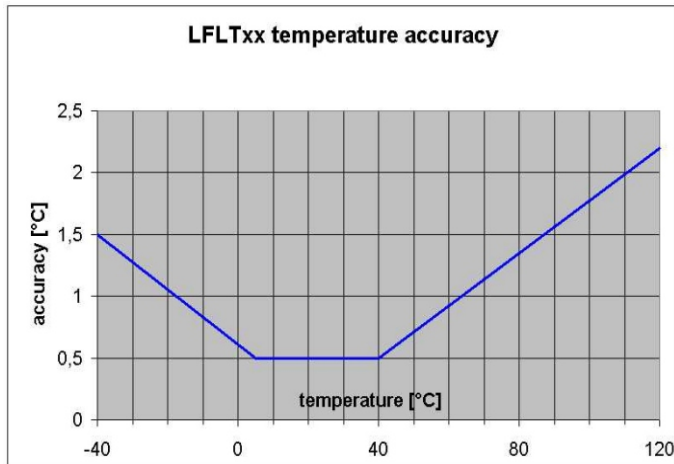
test module PE05



PC software
 AD4A-S

Sensors for AD4A

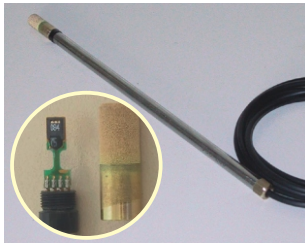
Sensors for temperature and rel. humidity



type **LFLT05** air temperature and rel. humidity sensor with concrete hole sealing system for measurements in drilled holes, small enclosed spaces

technical data:

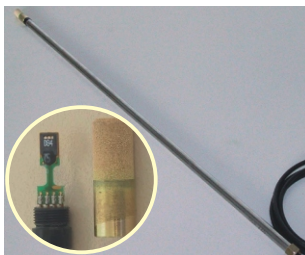
measuring range:	-40 to 99,9 °C
accuracy:	see diagram
90% setting time:	with filter cap 5 Min
dimension:	8 mm x 5 cm, cable length: approx. 1,5 m
weight:	0,1 kg



type **LFLT20** air temperature and rel. humidity sensor

technical data:

measuring range:	-40 to 99,9 °C
accuracy:	see diagram
90% setting time:	with filter cap 5 Min
dimension:	7,5 mm x 18 cm, cable length: approx. 1,4 m
weight:	0,1 kg



type **LFLT40** air temperature and rel. humidity sensor

technical data:

measuring range:	-40 to 99,9 °C
accuracy:	see diagram
90% setting time:	with filter cap 5 Min
dimension:	7,5 mm x 38 cm, cable length: approx. 1,2 m
weight:	0,1 kg



type **LFLT55 very thin** air temperature and rel. humidity sensor

technical data:

measuring range:	-40 to 99,9 °C
accuracy:	see diagram
90% setting time:	with filter cap 5 Min
dimension:	5,5 mm x 19 cm, cable length: approx. 1,4 m
weight:	0,1 kg



type **WT** surface temperature sensor e.g. for walls

technical data:

measuring range:	-30 to 70 °C
accuracy:	± 1 °C
90% setting time:	approx. 1 minute
dimension:	7,5 mm x 17 cm, cable length: approx. 1,4 m
weight:	0,1 kg