

UNIVERSAL MOISTURE METER WOOD, BUILDING, PAPER, CARDBOARD, ...



AD4A

Universal instrument with analogue and digital display for measuring moisture content in wood, building materials, paper, isolation materials and other materials.

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

With additional sensors it can be used for measuring temperature, rel. humidity, dewpoint.

Technical data:

measuring range:	0 - 100% (adjustable)
resolution:	0,1%
measuring depth:	approx. 3 cm
attenuation:	0 - 99% (adjustable)
storage:	16 x 128 material moisture values 16 000 sensor values
dimension:	approx. 200 x 80 x 40 mm
weight:	250 g
interface	RS232 / AD4A-S

- 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. During measurements a material text is shown. For each meter material curves, sorted in groups, can be composed individually.
- fixed linearisation curves for a lot of common materials are already stored and can be selected
- serial PC interface
- with the optional Windows based software AD4A-S measured values can be transferred and stored on the mass storage of the PC
- optional the instrument can be made with an aluminium case part for better protection against mechanical and electrostatic strength

External sensors / datalogger:

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

- choice and calibration of 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
- quick surface temperature measurement
- datalogger for recording up to 16000 sensor values



optional extras:



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



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



rel. humidity, air temp.
approx. . Ø 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



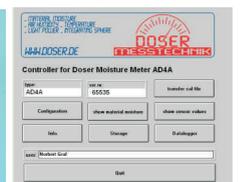
infrared temperature
sensor IR-sensor



test module PE30



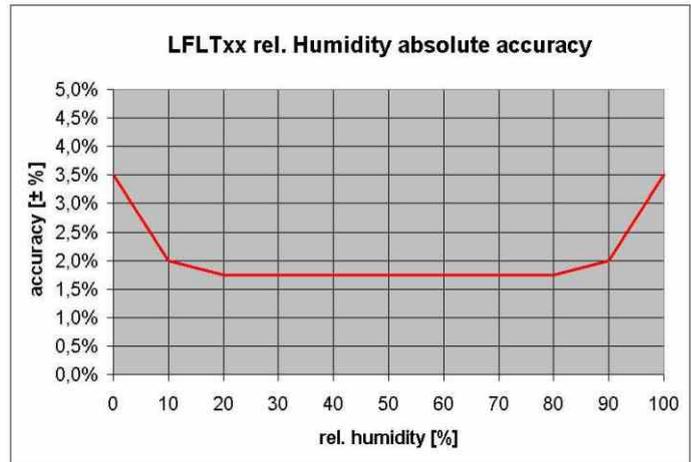
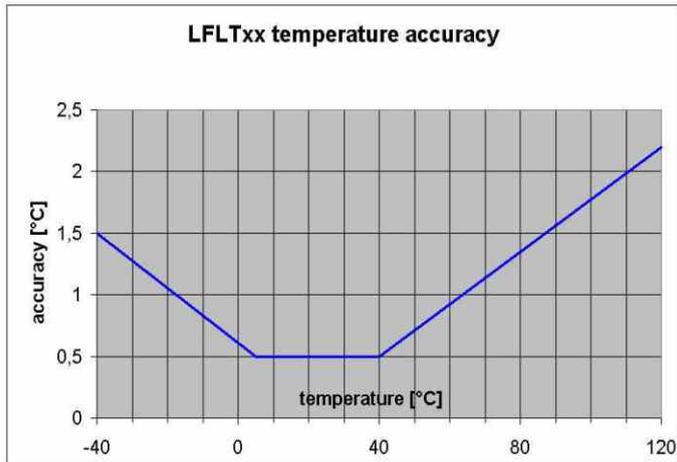
test module PE05



PC software
AD4A-S

Sensors for AD4A

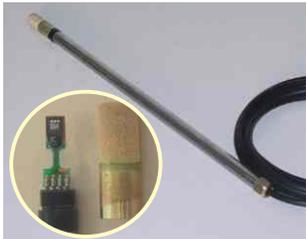
Sensors for temperature, rel. humidity and dewpoint



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:	Ø 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:	Ø 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:	Ø 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:	Ø 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:	Ø 7,5 mm x 17 cm, cable length: approx. 1,4 m
weight:	0,1 kg