

VAISALA

HMK15 Humidity Calibrator



Features

- Easy and reliable calibration of humidity probes and transmitters
- Based on saturated salt solutions
- Fast temperature equilibration
- No external power required
- Suitable for laboratory use and on-site checks
- Chambers and transit covers make HMK15 easy to transport
- Pre-measured certified salts available
- Vaisala Service Centers offer accredited calibrations for humidity, temperature and barometric pressure.

No measuring instrument stays accurate by itself. It is essential that the functioning of an instrument is periodically checked against a reference. Vaisala has developed Vaisala Humidity Calibrator HMK15 to make calibration and spot checking of humidity probes and transmitters easy and reliable.

Benefits

- Easy to use
- Reliable calibration
- Certified and pre-measured salts available on order of HMK15

Method Used by Leading Laboratories

The operating principle of HMK15 is based on the fact that a saturated salt solution generates a certain relative humidity in the air above it. The reading of the humidity probe or transmitter can then be adjusted accordingly. Many leading laboratories use this generally

accepted and reliable method to calibrate humidity instruments. Usually two or three different salt solutions are used. Salts are chosen according to the application.

Certified Salts

HMK15 can be ordered with certified and pre-measured salts. A sample calibration is made from each batch in Vaisala's Measurement Standards Laboratory (MSL).

FINAS Accredited Measurement Standards Laboratory

Vaisala's Measurement Standards Laboratory is a FINAS accredited calibration laboratory. FINAS is a member of the EA (the European Cooperation for Accreditation).


FINAS
 Finnish Accreditation Service
K008 (EN ISO/IEC 17025)

Technical Data

Accessories

Certified and ready dosed salts:	Order code:	Total uncertainty ¹⁾ :
LiCl salt 11 %RH	19729HM	(±1.3 %RH)
MgCl ₂ salt 33 %RH	19730HM	(±1.2 %RH)
NaCl salt 75 %RH	19731HM	(±1.5 %RH)
K ₂ SO ₄ salt 97 %RH	19732HM	(±2.0 %RH)
Ion exchanged water	19767HM	
Extra salt chambers	19766HM	
Carrying bag	HM27032	
Set of rubber plugs	19746HM	
Cover for DMT132 and HMP110 with filter	230914	
Adapter for HMP42 probe	HM37067	

1) Uncertainties given at +20 °C

Parts

The standard HMK15 consists of the following:

Two salt chambers, chamber covers and transit covers

Base plate

Thermometer

Measurement cup and mixing spoon

