

Specifications

Saturated salt solution	Chemical symbol	Risk*	% RH **				
			15°C	20°C	25°C	30°C	
KSH – 11 (Part number 15644)							
Lithium chloride	(LiCl)	Xn	11.30	11.31	11.30	11.28	
KSH – 44 (Part number 15645)							
Potassium carbonate	(K ₂ CO ₃)	Xn	44.15	43.16	43.16	43.17	
KSH – 85 (Part number 15646)							
Potassium chloride	(KCl)	Xi	85.92	85.11	84.34	83.62	

*Read carefully safety datasheet

** From R121-F96 of OIML

Operation



- Before using saturated salt solutions please read carefully safety datasheet.
- Saturated salted solution lifespan is 1 year if storage conditions are respected.

1. The chamber containing saturated salt solutions shall imperatively contain:

- Salt in solid form
- Liquid solution or wet salt

2. Put salted solution in an environment with stabilized temperature during 24 hours, respecting the operating conditions.

Very important ! The instrument shall be at same temperature as salted solutions. If not, even very low temperature difference would affect the relative humidity accordingly.

3. Use gloves to open solutions.

4. Check if chamber inside is dry. If not, dry it with absorbing paper.

5. Insert probe inside cylinder. Avoid to touch sensing element.

6. Wait for 3 hours. If you are using sintered tip, 1 hour shall be added.

7. Write down humidity percentage measured by humidity probe.

8. Compare your result with instrument accuracy (see its technical datasheet)

9. If measurement is out of specifications, the instrument shall be duly adjusted.

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