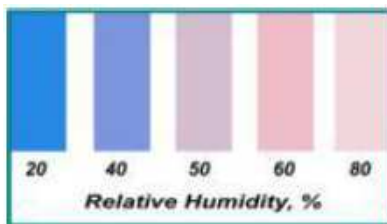


## Instructions on handling Laser Beam Visualizers (Rev4)

Laser Beam Visualizers are made of crystals with moderate hygroscopic properties. Therefore the right way to handle the visualizers is to minimize its exposure to humidity. Requirements for maintaining dry conditions for Laser Beam Visualizers are listed below.

- Unpacking and inspection of visualizers should be performed in a clean room with controlled atmosphere and with relative humidity (RH) of <30%.
- Usage of humidity meter with accuracy of 2% or better to measure RH is highly recommended during both – storage and operation. A color change from blue to pink gives a visual indication of rising moisture levels.



1 Fig. Example of relative humidity meter with color based identification.

- After usage of the visualizer, it should immediately be placed in an airtight container with sufficient amount of DRY desiccant (e.g. silica gel) as shown on photo.



2 Fig. Storage example of humidity-sensitive articles.

- During usage of the visualizer, sudden room temperature changes should be avoided: the water vapor might condense on the visualizer and reduce its lifetime.
- In case of contact with humid air, the crystal should be dried-off in a drying cabinet at 70 °C for >3 hours. This would remove absorbed water from side facets of a crystal. Same drying operation should be carried-out with desiccant.