

The newest of the legendary Vaisala probes MMP8 for transformer oil moisture



Built around Vaisala's know-how, the MMP8 is an embodiment of our ideology of robust science at your service. Proven over 20 years, the direct descendant of our HUMICAP® HMP228 and HMT330 series, it's ready to take on the world with field-leading capabilities.

A legacy of excellence

Stable. That's Vaisala MMP8. Designed to install once and forget, our probes are made to keep their accuracy. They're that reliable.

Robust. That's Vaisala MMP8. Made with a manufacturing knowledge that covers every imaginable condition on Earth – from the tropics, to offshore to the Arctic. You can count on our probes performing right out of the box, and to keep going.

Sensitive. That's Vaisala MMP8. When it comes to measuring at the drier end of the scale, nothing beats our probes. The sensor can detect changes in moisture already below 1 ppm, well below 1 %RS. This means the sensor is applicable also in new transformers. In fact, they've become a virtual standard for all moisture in oil measurement.





Full Indigo compatibility

When you hook up your MMP8 to Vaisala's state of the art Indigo500 transmitters, all your required measurement data is immediately available to you. The Indigo520 features a supremely robust graphical display, which will keep

on working in the field, in any weather.

Interchangeability like no other

Vaisala MMP8 probes for measuring moisture in oil are

interchangeable. The calibration data is in the probe, so all you need to do is change the probe and you'll be all set to continue. Naturally, the MMP8 even supports installation in an energized power transformer.

Real-time moisture measurement with two probes:

- You can monitor the moisture difference between top oil and bottom oil in ONAN(F) cooled transformers, which gives and direct indication if there's a risk of lower breakdown voltage due to due to T-gradient. If moisture in oil exceeds 20 %RS dielectric strength of oil may become compromised.
- Using a moisture probe in the in-and-outlet of cooling circulation is a useful tool during factory temperature rise test to confirm both insulation paper dryness and oil cooling efficiency.
- With two probes one can easily monitor the operational efficiency of an online oil dryer, as well as identify if there's a need for cartridge change or system regeneration.

Features and benefits

- Probes come with 6-point factory calibration. Following the recommendation of Cigre TB741 the probes are also calibrated at close to 0%RS moisture and supplied with calibration certificate.
- Moisture measurement has no temperature dependency as also preferred by the TB741.
- By installing the adjustable probe through a ball valve one can measure the relative moisture saturation (%RS) directly in representative oil, thus not needing any calculation. Applicable as such for all insulation liquids.

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