

MAGNETIC OIL LEVEL GAUGES WITHOUT CONTACTS FOR DISTRIBUTION TRANSFORMERS TYPE IML 80 - 99 - 99 NML (acc. to pag.5.26)

A – GENERAL:

Oil level indicators for distribution transformers with MAX conservator diameter of 400mm, without contacts and with aluminium body (coated with an epoxy primer and finish paint).
These oil level indicators are supplied only in the “R” execution (float movement parallel to the dial).

B– STORAGE AND SHELF LIFE:

Handle with care. Max storage period before putting the instrument into service is 5 years (temperature -20 +40 °C – air humidity 75 %) as long as the instrument is kept in its envelope and in a clean place. Before use, visual check that no damages happened to any parts.

C– INSTALLATION:

Install the instrument as follows:

- 1) mount float arm and regulate arm position (MAX length 200mm from rotation centre),
- 2) holding float holder with two dinger tighten the brass screw which lock float arm by means of a screwdriver,
- 3) check that o-ring gasket is correctly positioned in the seat,
- 4) fit back side of gauge and float arm inside the hole on conservator (Ø42 tol. 0+2) taking care not to bend or damage float arm (check that holes Ø7mm on aluminium body fits fixing studs)
- 5) tighten the 3 (type IML 80) or 4 (type IML 99) M6 nuts. MAX suggested tightening torque with M6 steel 4.8 studs: 4Nm.

To assure an even sealing, tighten all nuts clockwise, first until the gauge starts to compress the gasket and then tighten in a crossover until gauge flange touches mounting flange on conservator wall (metal to metal contact).

D– MAINTENANCE:

No particular maintenance is required for these temperature indicators. It is suggested only, on a regular basis, to schedule inspections to correct working and visual appearance.

In case the lens is dirty, thus reducing the readability of the dial, you can clean it with a soft cloth, water and soft soap taking care not to scratch the lens surface (this would reduce readability of dial as well).