INDUSTRIAL SA

NOVA M

Equipment for the condition monitoring of the rubber bag used in the oil preservation systems / conservators

NOVA - M is a device capable of detecting the rupture of the rubber membrane or bag used in oil preservation systems / conservators of power transformers and shunt reactors.

NOVA – M is comprised of an optical sensor that must be mounted on the membrane or inside the rubber bag (on the air side) and a unit located on the outside of the conservator. The sensor is provided with a LED and an optical receiver circuit. Also the unit has a dry contact and two LED's, one to signal the membrane or bag rupture and another to signal the operation status.

NOVA - M operation is based on the principle of light reflection. When there is no oil present, the light produced by the emitting LED is completely reflected internally by the capsule dome and captured by the optical receiver. If the oil covers the capsule, the reflection effect on the dome limits change.

The rupture causes part of the emitted light to disperse in the oil, and the amount of light that reaches the optical receiver is reduced. This change in light reflection causes the unbalancing of the coupling circuits and the actuation of the signal contact.

The module mounted outside is powered at 12V and generates an analog signal - unified current type, respectively a digital one for the warning.

NOVA - M device can be connected to multiple types of on-line monitoring systems for power transformers.



100% creat şi fabricat în ROMÂNIA

Peste 25 de ani de experienţă

ISO 9001, ISO 14001, ISO 45001

QUALITAS
CERTIFICAT SMC NR. QC/1105
SR EN ISO 9001 : 2015

QUALITAS
CERTIFICAT SMM NR. QM/1034
SR EN ISO 14001 : 2015

QUALITAS
CERTIFICAT SMSSM NR. QSM 38
SR EN ISO 45001 : 2023

www.novaindustrialsa.ro