NOVA INDUSTRIAL SA

# NOVA EMCSIT - S

**NOVA EMCSIT - S** equipment is designed for the **on-line monitoring of high voltage disconnectors**, ensuring on-line data acquisition regarding the operating parameters and the condition of the monitored apparatus, such as:

**- technical condition of the disconnector;**
**- close / open operating condition;**
**- operation times;**
**- lack of synchronization of operation between poles;**
**- contact speed;**
**- number of operations;**
**- the ambient temperature;**
**- the operating condition of the driver mechanism (current through motor, operating times), etc.**

**INPUTS:**
**8 analog inputs:** 1 x 3 current through the driving motor; 1 x 3 supplying voltage of the driving motor; 1 x current input, available for input configuration; 1 x voltage input, available for input configuration.
Sampling rate :1 kS/s/ channel.
**10 digital inputs:** 1 x closing contact; 1 x closing end contact; 1 x opening contact; 1 x opening end contact; 1 x initiate closing contact; 1 x initiate opening contact; 4 x contacts available for configuration.

Digital resolution: maximum 100 μs. Number of bits / sample: 10bits.




**OUTPUTS:**
**4 relay contacts - NO (dry contact):** 1 x alarm contacts relay for low voltage value at the disconnector operating mechanism; 1 x relay contacts for inadequate condition of the disconnector; 2 x contacts available for configuration.

**IED AND CLIENT COMMUNICATION** (port / protocol / connection / client): **RS232/ 485** Asynchronous Protocol / USB (converter) local / laptop connection; **Ethernet** 10/100/1000(TCP/UDP) / CAT5/CAT6 cable, optical fiber plus media-converter / IED, control room or regional center server; **Wireless** / IED, control room server (optional).
**Timestamp**: integrated GPS module with 10 μs accuracy.

The equipment can be integrated with **SCADA**.

**SOFTWARE**: Designed for **NOVA EMCSIT - S** equipment.

**NOVA EMCSIT - S** equipment can be used stand-alone or within **an integrated system for on-line monitoring of primary equipment from electric power stations** and substations - **Smart Grids**.

**NOVA EMCSIT - S** equipment may be used for any type of disconnector in electric power stations and substations (whatever the constructive type or the condition of the old / new operating disconnector is).

**100% created & made in ROMANIA**

## Over 25 years of experience

**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

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