INDUSTRIAL SA

NOVA EMCSIT - D

NOVA EMCSIT - D equipment is designed for the **on-line monitoring of high voltage surge arresters**, ensuring on-line data acquisition regarding the operating parameters and the condition of the monitored apparatus, such as:
- the technical condition of the surge arrester;
- the total current passing through each surge arrester on the R, S, T phases of the same power network;
- the unbalance current resulting from the total currents passing through the surge arresters on the three phases of the network;
- the third harmonics of the total current through each surge arrester;
- the number of operations for each surge arrester on R, S, T phases.

INPUTS:
5 analog inputs: 3 x total current inputs through each surge arrester on R, S, T phases of the same three-phase network (4-20mA current transducers); 2 x current inputs (4-20mA), available for input configuration.

Sampling rate of 10 kS/s/ channel.
Number of bits / sample: 13 bits.



OUTPUTS:
4 relay contacts - NO (dry contact): 1 x relay contacts for inadequate condition of the surge arrester; 3 x contacts available for output configuration.

IED AND CLIENT COMMUNICATION (port / protocol / connection / client): **RS232 / 485** Asynchronous Protocol / USB (convertor) local / laptop connection; **Ethernet** 10/100/1000(TCP/UDP) / CAT5/CAT6 cable, optical fiber plus media-convertor / 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 - D** equipment.

NOVA EMCSIT - D 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 - D equipment may be used for any type of surge arrester in electric power stations and substations (whatever the constructive type or the condition of the old / new operating surge arrester 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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