www.mars-energo.com

MARSENERGO
INSTRUMENTS FOR POWER INDUSTRY

Making energy visible

Complex optical voltage / current transducer KRISMARS-CT/VT 6, 10, 15, 20, 35 kV; 5 kA

Patent N 149253

Patent N 144464

Project status: Research & Development; investment offer
Result: testing and adjustment of prototype

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Purpose

- Designed to convert primary (high) voltage and/or current signals into the secondary analogue signals or IEC 61850 digital signals with the established scaling factor.

Field of application

- Automatic substation control and relay protection systems.

Operating principle

- Magneto-optical (Faraday) effect;
- Electro-optical effect of electro-gyration.

Design for DSS applications

- IEC 61850-9-2LE compliant output.

Features and benefits

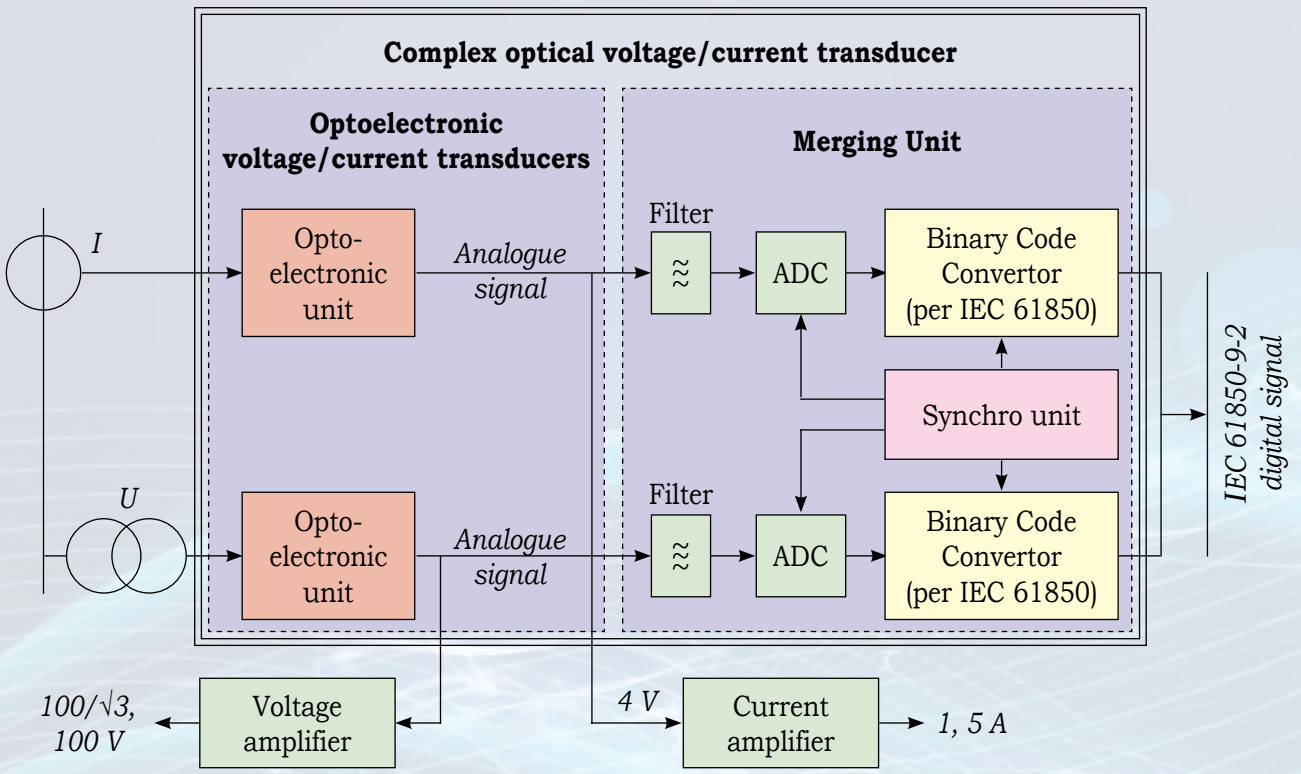
- No piezoelectric effect;
- No magnetizing and magnetic saturation effects;
- Phase-to-phase voltage can also be measured.

Components

- Optical sensor of current;
- Optical sensor of voltage;
- Optoelectronic unit (the desired current and voltage signals is taken from its output) + Merging Unit (for Digital Substation applications).

Equipment for testing and calibration

- Test Sets produced by Mars-Energo.



Edition 15.10.2015