



SO-5S-HMI

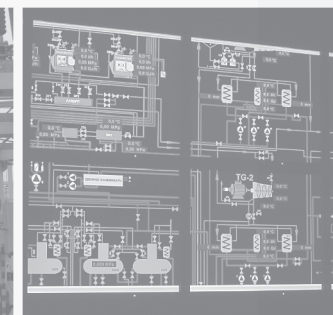
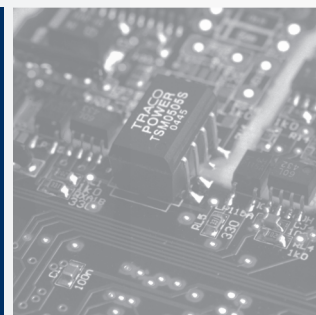
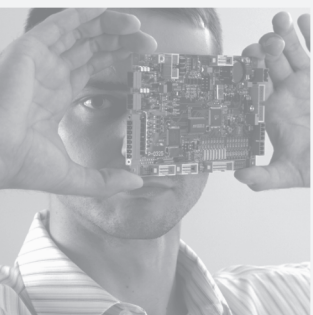
dispatcher's terminal

The SO-5S-HMI Dispatcher's Terminal is a workstation based on a typical PC computer with one or more monitors. The SYNDIS RV software installed on the terminal performs the functions of an advanced program of the SCADA type. This software is compatible with the Windows 10 IoT Enterprise (or higher), ensuring convenient and easy operating.

The terminal may be connected to many devices acquiring data through one of the following interfaces: RS-232, RS-485 or Ethernet. The interfaces may operate in the DNP3.0 or IEC-870-x-xxx protocol.

The terminal may be supplied in one of the two versions: free-standing (for a desk) or to build in a 19" cubicle, it may be equipped with an interfaces expander which enables placing the monitor(s), keyboard and mouse up to 60 meters from the computer.

The terminals may be mutually connected to form a multi-station sets with integrated alarms operating ensuring reserving one another. The environmental conditions depends on the type and features of the used computer.



The dispatcher's terminal ensures

- graphic, vector presentation of the present state of a substation and network with real-time animation of telemetrized, binary and analog objects, which is performed on diagrams and in tables
- dynamic colouring the lines, flows and tracks
- controlling telemetrized objects
- manual marking untelemetrized connection objects states
- marking exceptional states of work of people and devices
- generating alarms when the system changes its state spontaneously
- generating alarms when analog values are exceeded
- presenting changes in the form of a event list
- presenting power flows in particular circuits and nodes on diagrams and in tables
- presenting warning and alarm signalization in the form of lists and diagrams
- archiving events
- cyclical archiving of analog measurements
- archiving all the acquired one by one analog measurements in a particular time period
- tools to event list analysing
- tools to supplying system states analysing
- tools to unsupplied circuits analysing
- tools to incorrect connections detecting
- state estimating
- presenting history of analog values in the form of diagrams and tables
- analysing communication devices states
- analysing reliability of validity of binary and analog data
- compiling reports automatically and on demand
- indicating deviations form the normal set of network and substation work
- performing program blocks for controlling operations
- exporting data to the Microsoft Office modules
- cooperating with synoptic model and graphic walls
- cooperating with telemechanics through state table and events flows
- cooperating with programs of engineers calculations
- cooperating with programs calculating breaks in supplying
- individualized system of users authorizations and passwords to particular functions
- cooperating with other computer software and systems
- editing diagrams in on-line mode

