

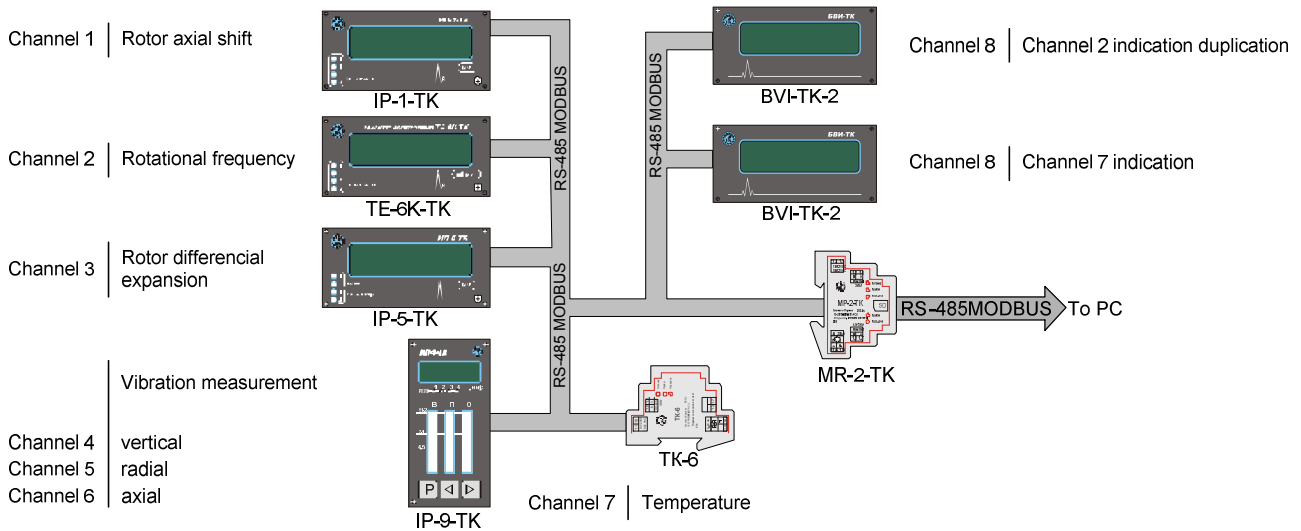


Multichannel logger MR-2-TK is designed for collection and archiving data received from others devices via RS-485 interface (Modbus RTU or Modbus ASCII protocol). Remote display units BVI-TK-2 can be connected to channel which are not used in poll to display archived data.

Device can measure and archive unified current (0..20 mA) or voltage (0..1 V or 0..10 V) signal.

Archive files from SD-card are saved in csv format and can be opened by Microsoft Excel, LibreOffice Calc or analogous applications. Transferring and viewing archive on PC without SD-card ejecting can be done with special software (is supplied with device).

- Up to 32 channels.
- Archive is saved on SD-card.
- Archiving period is set programmatically.
- Archiving threshold is set programmatically for each channel.
- Nonvolatile real-time clock.
- Personal settings for every channel to receive data from device or transferring data to BVI-TK-2.
- DIN-rail mounting housing.
- LED indication of operating modes.
- Set up via RS-485 or SD-card.
- Three archiving modes:
 - **Static** – data is written periodically over time from settings.
 - **Dynamic** – data is written if difference between current and previous value exceeds threshold value from settings.
 - **Emergency** – data is written if error occurs or on relay operation.

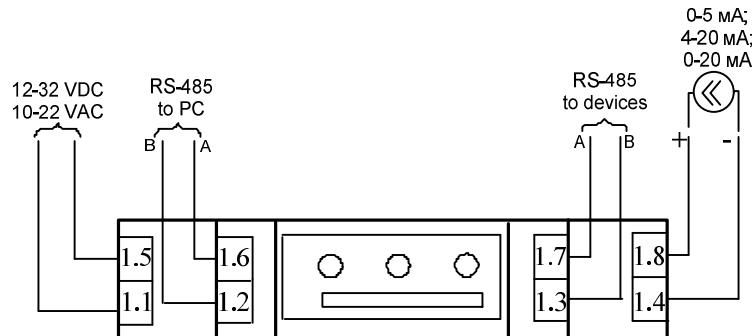


Data collection and archiving system example

SPECIFICATION

- Max channels count 32
- Max SD-card size, Gb 2
- File system type FAT16
- Archive files type csv
- Baud rate, kbps 9.6; 19.2; 38.4; 57.6; 115.2
- One analog input for measuring:
 - unified current signal (standard modification, mA) 0..5; 0..20; 4..20
 - DC voltage (on demand), V 0..1 or 0..10
- Reduced error for measuring unified current signal, %, up to $\pm 0,5$

WIRING DIAGRAM



ADDITIONAL INFORMATION

- Operating temperature range $+5^{\circ}\text{C} \dots +50^{\circ}\text{C}$
- Dust and moisture protection IP41
- Two galvanic isolated RS-485 interfaces:
 - for data collecting from devices (Modbus RTU and Modbus ASCII protocols);
 - for connecting to SCADA (Modbus RTU protocol).
- Scope of supply includes software for setting up device, archive reading and displaying data as tables or charts.
- Power supply 12-32 VDC / 10-22 VAC
- Power consumption, up to, VA 2
- Overall dimensions (W×H×D), mm 17.8×85×58