

ZHC818 Transmitter Sampling Controller



Overview:

This product is the sampling and control terminal of the transmitter remote control and telemetry system. The monitoring center sends instructions to the transmitter Sampling Controller. The Transmitter Sampling Controller receives the instruction to collect and control the transmitting device, and the returned data is transmitted through various transmission methods. Transmitted to the monitoring center, the Transmitter Sampling Controller is designed for the sampling and control of satellites, signal source switching, excitation exciters, frequency converters, power amplifiers, and other equipment. It provides general RS232/485 interfaces, TCP/IP network interfaces, and simulations. Differential input ports and relay control output ports, etc., are used to collect various signals, suitable for multiple transmission methods, and use 1U standard chassis.

Features:

1. Collect the analog signal of the power amplifier transmitter through the DB25 interface
2. Communicate with the exciter through the 232 interface, collect data and transmit control commands
3. Communicate with the signal source switcher through the 232 interface, collect data and transmit control commands
4. Communicate with satellites through the 232 interface, collect data and transmit control commands (dual satellites)
5. Collect the indicator status of the frequency converter through the 232 interface

6. Communicate with the power controller through the 485 interface, collect data and transmit control commands
7. Communicate with the signal integrated converter through the 485 interface

Technical Specifications:

1. Device interface: 10Base-T (RJ45), RS-232 (DB9 pin), RS-485 (DB9 pin), AC output connector (female), antenna interface (50Ω/SMA female)
2. Support protocol: TCP/UDP/IP, MODBUS
3. Transmission channel: RS232/RS485, GPRS/CDMA 2G/3G network, TCI/IP network, composite network based on multiple signal transmission methods that can be freely converted to each other
4. Network port rate: 10M/100M adaptive
5. Data word length: 7 or 8 bits
6. Stop bit: 1 to 2 bits
7. Parity check: odd, even, none
8. Equipment power supply: AC220V
9. Equipment power consumption: 10W
10. Operating environment: -30-70℃
11. Equipment size: 19 inches, 1U (500mm×484mm×44mm)
12. Both sampling and control adopt industrial-grade communication modules and chips, with watchdog function