

TDS-B002 dual channel water machine swing computer measurement and control device



◇ Overview said

TDS-B002 dual-channel water machine swing computer measurement and control device can be used to continuously monitor the relative vibration variation of various low-frequency large-scale rotating units. The circuit adopts microcomputer-specific software technology and is widely used in hydropower generating units of various scales. On-line monitoring and protection of rotational speed rotating machinery, as well as a variety of other low frequency research applications. Typical application and measurement of hydraulic turbine upper and lower guides, water guide swing or meridional runout, and alarm and control when the relative vibration change is greater than the safe value to prevent the relative vibration amount from exceeding the limit value, resulting in damage to the unit.

◇ characteristics

- Dual-channel intelligent digital instrument with single chip as the core processor;
- dual channel and standard analog annunciator output corresponding to the display range;
- provides alarm status display and normally open contact output. The two-channel two-level alarm value can be set separately, using two channels “or” logic high value alarm mode;
- has power-off memory, automatic parameter protection;
- provides sensor operating power;

◇ The main technical operation parameters

Sensor range 0.01 - 5mm

Display mode: dual screen four LED ;

Switching output signal:

4- way switch relay field setting alarm

Power supply abnormal alarm output signal

Output contact capacity: 5A/AC250, 1A/DC30V

Analog quantity output: DC4-20mA

Communication output: RS485Modbus serial output

Frequency response range: 0.5Hz ~ 50 Hz ;

Alarm setting: field setting;

Power supply: AC/DC110 ~ 220V ;

Operating temperature: -10 °C ~ 50 °C

Power consumption: 20W