DTS600

New fiber optic distributed temperature sensing system DTS600 is a system with fast response, accurate temperature measurement, stable, easy to use and other advantages.

DTS600 TECHNICAL FEATURES

1, accurate temperature measurement system, stable operation. Core components of advanced semiconductor lasers, high-sensitivity photodetectors and optical filter, an increase of exclusive original technology automatically adjusts the signal amplitude, and then automatically adjusted according to the need to achieve, to overcome the signal offset optics because long working hours caused. So that the reliability and accuracy of the measurement system greatly improved;

2, the use of long-wave laser design, to get a better signal quality, measured before and after the curve is consistent. Curve relatively flat, little burr, smoother, more advantages than the short wavelength;

3, using a long wavelength laser and related optoelectronic devices, the optical fiber temperature sensing signal loss is minimized, thereby realizing the above measured distance 6km, and with higher accuracy when measuring a short distance;

4, the modular structure of the host, to facilitate product upgrades and system upgrading. While saving time and maintenance costs;

5, the use of the Internet communication interface, remote diagnostics and system maintenance upgrades. Easy maintenance, saving maintenance costs;

6, automatic calibration of the sensor fiber, to adapt to a variety of sensing fiber, the applicability of strong fiber;

7, automatic gain temperature calibration function to ensure the accuracy of long-term temperature, saving the maintenance cost;

8, the relay output can be encoded, multiplexed output to meet demand;

9, using 1550nm long wavelength laser measurement, higher laser safety rating under the same conditions;

10, built-in 36-channel relay, and can be extended according to customer requirements;

11,1,2,4,6 km 1/2/4/6 channel users can select the public, and can be extended according to customer requirements;

Technical parameters Name	Typical parameters
model	DTS600
The maximum measuring range	0-20Kilometer
Temperature resolution	≤0.1℃
Spatial resolution (maximum measurement range)	±1m
Sampling interval	≤1m
Single-channel measurement time	Not more than 30 seconds; can be adjusted according to the needs of
Temperature host life	More than 15 years
Test Channel ports	1-12Channel can also be customized according to customer requirements
Host temperature operating temperature / humidity	5～40 °C; 5～95% without condensation
operating system	Windows 2000 XP, 7, 8, 10
interface	RS232/485, Ethernet, with the expansion of the interface
Light switch life	≥20years; MEMS
Power supply	AC220V ±10%; 50Hz ±5%
letter of agreement	With the completion of our commitment to free temperature data centralized monitoring system with the power companies, power companies transferred through remote transmission center, and in accordance with the relevant requirements of the Statute of the incoming buyer centralized monitoring system database.
Remote communication port	TCP/IP port,10/100M ethernet port
Monitoring host	Typical model: industrial computer; P4 2.8G, Memory 1G, Hard drive >200G。
monitor	17Inch LCD color monitor