

DS-QFT0304H**Temperature Fiber Optical Sensing Terminal**

- **【System】**
 - High spatial resolution product, with 5x improved positioning accuracy, widely compatible with small -space temperature measurement applications
 - 3U rack-mounted 4-channel temperature measurement fiber optic host, the device adopts a short case design, with an all-in-one optical module
 - Support open network interface, and can be accessed via OTAP, MODBUS protocol
 - Support lightning protection, surge protection, and ESD protection
 - Support Class1 laser classification
- **【Monitoring】**
 - Support simultaneous monitoring of multiple temperature alarm points
 - Support constant temperature alarm, temperature rise Alarm and temperature difference alarm
 - Support uploading alarm types, temperature, and other information
- **【Environment】**
 - Strong environmental adaptability. With front-end passive and flexible characteristics, the device can be installed in various complex terrains, not restricted by power supply and network conditions.
 - It can withstand harsh environments such as moisture, temperature variations, and is resistant to ammonia, chlorine, salt spray, acid rain, and more

▪ Specification

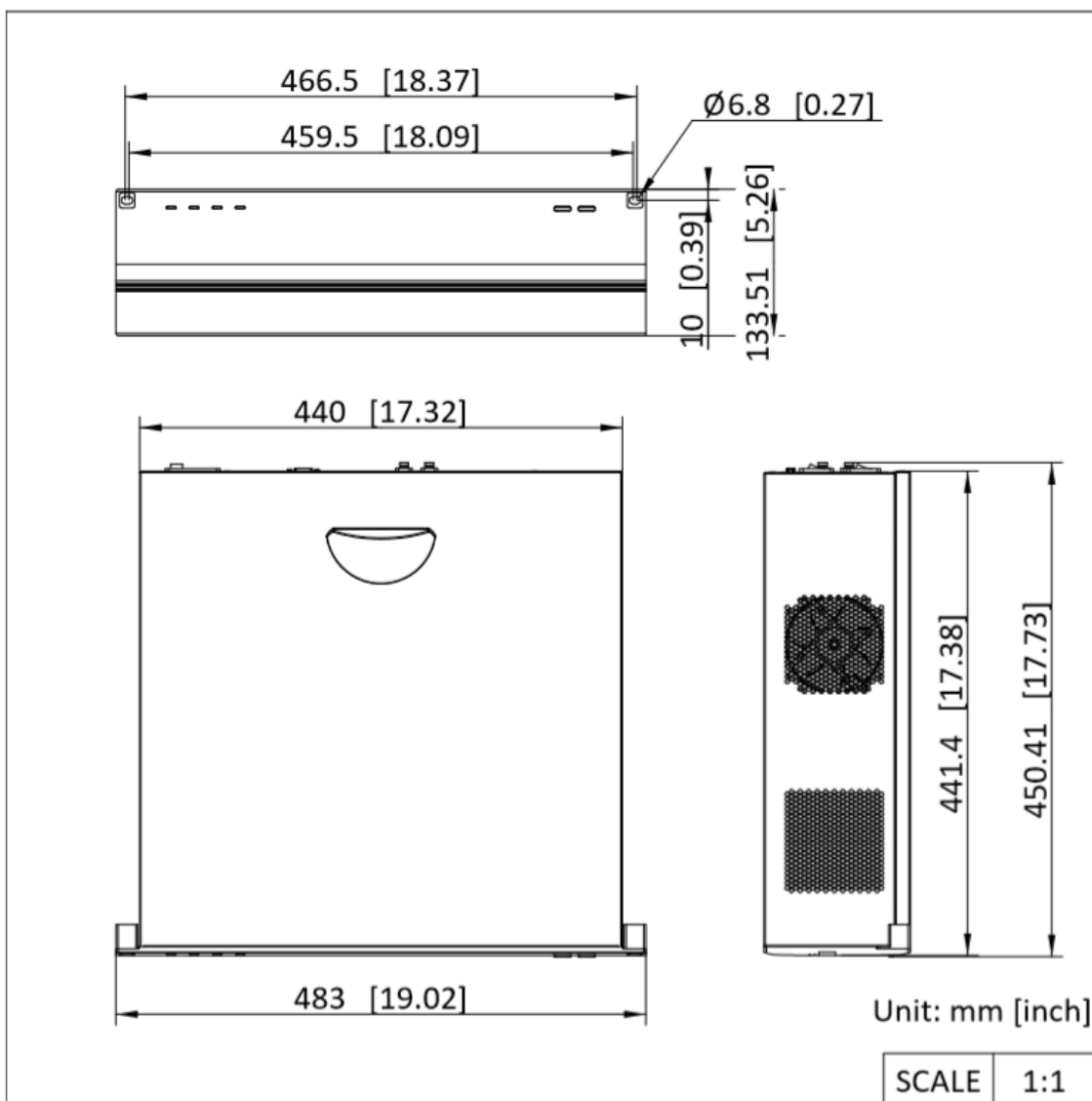
Basic Parameter	
Fiber Type	Multi-mode(62.5/125um)
Channel	4
Single-Channel Detection Range	3km/6km/12km(Multi-mode switching)
Positioning Accuracy	3km : $\pm 0.1\text{m}$; 6km : $\pm 0.2\text{m}$; 12km : $\pm 0.4\text{m}$;
Temperature Range	-200°C ~800°C (actual temperature monitoring capability depends on the selected fiber optic).
Temperature Accuracy	3km : $\pm 0.5^{\circ}\text{C}$; 6km : $\pm 1^{\circ}\text{C}$; 12km : $\pm 1^{\circ}\text{C}$;
Temperature Resolution	0.1°C
Spatial Resolution	3km : 0.2m ; 6km : 0.4m ; 12km : 0.8m ;
Sampling Interval	0.1m
Partition Quantity	≤ 1000 per channel , it is configurable
Alarm Response Time	$\leq 5\text{s}$ per channel
Function	
Alarm Trigger	Constant Temperature Alarm, Temperature Rise Alarm, Temperature Drop Alarm, Temperature Difference Alarm
LED Indicator	Power indicator: Solid blue: power on Light off: power off Running indicator: Solid blue: program running normally Flashing blue: program running abnormally Fault indicator: Light off: all-in-one module running normally Solid yellow: all-in-one module error Tamper indicator: Solid red: tamper alarm triggered Light off: tamper alarm not triggered
Buzzer	Stay buzzing for tampering alarm. When the alarm information is processed or the clear alarm/mute button is pressed, the buzzer can be muted.
Switch	1 rocker switch for power, 1 mute button, 1 clear alarm button , 1 reset button
Communication	
Communication Method	Wired communication

Interface	
Fiber Interface	4 FC/APC fiber interfaces
Power Interface	2 power input interface with 100~240V AC power input
Function Interface	1 RJ45 1000 M network interface, 1 RS-232 interface, 2 RS-485 interfaces, 2 USB 3.0 interfaces
Alarm Out	32 relay outputs
General	
Material	Metal
Power	100-240V ~ 50/60Hz 0.5A
Color	Black
Power Consumption	< 35 W
Operating Temperature	-15 °C to 55 °C (5 °F to 131 °F)
Laser Classification	Class 1
Operating Humidity	0% to 95% (± 2%)
Dimension	133.51mm x 483mm x 450.41mm((5.26" × 19.02" × 17.73"))
Weight	Approx. 11 kg (24.25 lb.)

▪ Available Model

DS-QFT0304H

▪ Dimension



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