

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official DTSX200 model and ordering pages

YOKOGAWA DTSX200

DTSX200-N0EN S1

The following original Yokogawa pages contain the DTSX200 specifications and exact DTSX200-N0EN ordering entry.

Fiber Optic Temperature Sensing System

Specifications

Features:

== Spatial Specifications

Measurement distance range: 1 to 6 km
Spatial resolution: 1 m

== Temperature Specifications

Measurement temperature range: -200 to 800°C
(depending on the temperature range of the sensor optical fiber used)
Temperature resolution (°C, typical):
Range 1 km 3 km 6 km
Duration 10 min. 0.07 0.15 0.5
(1 sigma)

== Optical Specifications

Optical connector and optical fiber: E2000/APC, 50/125GI optical fiber

== Communication Interface

Modbus: Serial and Modbus/TCP
LAN: 10 BASE-T or 100 BASE-T

== General Specifications

Operating temperature range: -40 to 65°C (-40 to 149°F)
Supply voltage: depends on power supply module used
Power consumption: 10 W (in operating mode)
2 W (in power save mode)
Laser safety standards: IEC 60825-1 Class 1M,
FDA 21CFR Part 1040.10
Nonincendive, Type "n"

Optical Switch Modules (optional)

Number of channels 2 ch DTOS2
4 ch DTOS4
16 ch DTOS16

== General Specifications

Operating temperature range: DTOS2 and DTOS4 -40 to 65°C (-40 to 149°F)
DTOS16 0 to 50°C (32 to 122°F)

Selection Guide

Choose the required modules to suit your application

	DTSX200	DTSBM10	DTOS2 2ch	DTOS4 4ch	DTOS16 16ch	Power Supply
Outdoor -40 to 65 degree C	✓	✓	○	—	—	✓ NFPW426(10-30V DC)
Indoor 0 to 50 degree C	✓	✓	○	○	○	□ NFPW426 (10-30VDC) NFPW441 (100-120VAC) NFPW442 (220-240VAC) NFPW444 (24VDC)

✓ Required ○ Optional — N. A. □ Choose one

The optional DTAP200 software is recommended for easier configuration of the DTSX200.

Ordering Information

DTSX200 Distributed Temperature Sensor
DTSX200-N0EN E2000/APC

Base module for DTSX200
DTSBM10-N0N Standard type

Optical Switch module
DTOS2-N0EN 2ch, E2000/APC
DTOS4-N0EN 4ch, E2000/APC
DTOS16-N0EN 16ch, E2000/APC

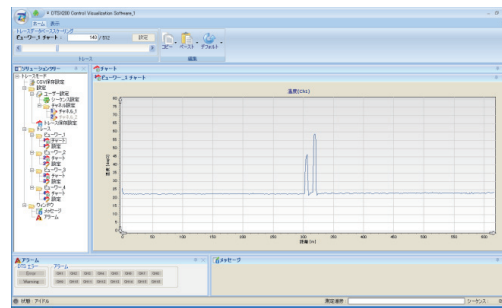
Power Supply
Selected from NFPW426, NFPW441, NFPW442, NFPW444

Notes: Please contact us about ISA Standard G3 option.
When DTSX200 is used under the ATEX Type "n" environment, the Instruction Manual, IM 39J06B45-10E "Explosion Protection of DTSX200 Products" is required for safer installation and wiring.

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- Ethernet is a registered trademark of Xerox Corporation.
- Modbus is a registered trademark of AEG Schneider.
- E2000 is a trademark of Swiss Diamond.

Application Software

The DTSX200 Control Visualization Software (DTAP200) PC application can be used to control the DTSX200 and visualize DTS data.



Using the DTAP200 application, you can configure and control the DTSX200, display measured temperature data and generate LAS format data, and remotely perform control, monitoring and analysis anywhere via Ethernet.

The Data Conversion Software option (DTAP200D) allows the DTSX200 to generate data files in WITSML format. When the DTSX200 is configured for WITSML conversion using DTAP200D, the DTSX200 will generate data files in WITSML format.

Ordering Information

DTSX200 Control Visualization Software
DTAP200-N0E Standard type, One license per PC
Data Conversion Software
DTAP200D-N1E WITSML 1.3.1.1, One license per DTSX

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