

AMIKON TECHNICAL INTELLIGENCE

# Product Data Sheet

Yokogawa DTSX200  
DTSX200-N0EN S1

| TYPE                           | RANGE      | FIBER        | CONNECTOR |
|--------------------------------|------------|--------------|-----------|
| Distributed temperature sensor | Up to 6 km | 50/125 um GI | E2000/APC |

Yokogawa DTSX200-N0EN S1 is a modular distributed temperature sensing unit that measures temperature continuously along optical fiber. It supports long-distance thermal monitoring and integration with process-control and supervisory systems.

## 01 CURRENT PAGE PARAMETERS

|                      |                            |
|----------------------|----------------------------|
| Product Model        | DTSX200-N0EN S1            |
| Optical Connector    | E2000/APC                  |
| Measurement Distance | 1, 2, 3, 4 or 6 km         |
| Sampling Resolution  | 10 cm, 20 cm, 50 cm or 1 m |
| Spatial Resolution   | 1 m (10 to 90%)            |
| Sensing Fiber        | 50/125 um GI               |
| Serial Interfaces    | 3 x RS-232C RJ45           |
| Ethernet             | 10BASE-T / 100BASE-TX      |
| Power Consumption    | 10 W operating             |
| Dimensions           | 19.7 x 17.2 x 13.2 cm      |
| Weight               | 2.30 kg                    |
| Commodity Code       | 9025199090                 |

Source: official Yokogawa DTSX200 product page and Fiber Optic Temperature Sensing System bulletin BU39J06B45-02E.

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## TECHNICAL SUMMARY

|                         |                                         |
|-------------------------|-----------------------------------------|
| Temperature Measurement | Distributed Raman-based fiber sensing   |
| Temperature Range       | Depends on selected sensing fiber       |
| Modbus                  | Supported through serial communication  |
| Network Interface       | Ethernet RJ45 with auto negotiation     |
| Status Display          | HRDY, RDY and LASER ON LEDs             |
| Optical Expansion       | Optional 2, 4 or 16 channel switch      |
| Configuration Software  | DTAP200 application support             |
| Installation            | Modular cabinet or enclosure assembly   |
| Calibration             | Sensor fiber calibration required       |
| Operating Environment   | Verify official environmental limits    |
| Lifecycle Check         | Confirm current Yokogawa support status |
| Controlled Reference    | Current DTSX200 documentation           |

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## DOCUMENT CONTROL

Verify optical-fiber type, connector cleanliness, calibration data, measurement range, module power, network settings, installation environment, and laser-safety procedures before commissioning.