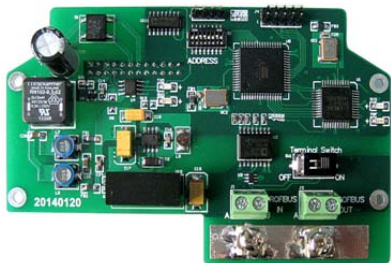


Thermo Scientific Orion 2100PC PROFIBUS card

Digital communication card for 2100 series meters

PROFIBUS® (Process Field Bus) is quickly becoming the standard for fieldbus communication in modern automation technology.

With the new 2100PC PROFIBUS communication card you can add fieldbus capabilities to your existing 2100 series analyzers and meters.



Easy digital communications with your 2100 series meter

Thermo Scientific™ Orion™ 2100PC is designed to easily integrate into your 2100 series meter to instantly give you PROFIBUS communications capabilities.

The 2100PC meets PROFIBUS-DP in accordance with protocol GB/T 20540-2006 and supports PROFIBUS-DP/V0 V1-MSAC1/ V1-MSAC2 protocol.

Advantages

- Easily installs in the 2100 series meters
- No configuration required on the 2100 meter
- Meets current PROFIBUS standards
- Internal LED indicators for Power, PROFIBUS communication, TX and RX.

Application:

- Any application that requires PROFIBUS DPV0/DPV1 communication protocol.

• **Global support**—with experience that comes from supporting our customers for over 35 years throughout the world, our water quality specialists and customer support teams offer a quick, thorough and professional response to any problem encountered.

• **Focus on user benefits**—we work closely with you to define your needs, and ensure you are using the product in a way that improves your bottom line. For more information, contact your local water quality specialists or visit: www.thermoscientific.com/processwater.

Product Specifications

Communication Protocol	PROFIBUS DP protocol GB/T 20540-2006 (digital data communication for measurement and control - Fieldbus for use in industrial systems) part 3: PROFIBUS standard, support PROFIBUS-DP/V0, V1-MSAC1/V1-MSAC2 protocol
PROFIBUS-DP Slave	Baudrate adaptive, maximum 12Mbps
PROFIBUS Input/Output Data	<p>PROFIBUS DPV0: Input bytes = 12 bytes Output bytes = 0 bytes</p> <p>PROFIBUS DPV1: (Read function) Available functions: (1) Sensor value (2) Temperature value (3) Sensor type (4) Sensor units (5) Sensor status (6) Run status</p>
IMO Device Maintenance Function Support	Yes
Power Requirement	18VAC (Provided by the 2100 meter)
Rated Current	40 mA (18VAC)
Ambient Temperature	Storage: -40°C - +70 °C Operation: -20 °C - +55 °C
Operation Humidity	5 - 95% (non-condensing)

Product Ordering Information

Cat. No.	Description
2100PCCN	Orion 2100 series modular communication board

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