



Be Right™



## Orbisphere 51x Hydrogen Controllers

The ORBISPHERE 51x controller using ORBISPHERE thermal conductivity sensors provides precise, selective and reliable measurements of H<sub>2</sub>.

This system is designed for process monitoring in liquid or gas phases across a wide range of applications from beverage production to rinsing semiconductor wafers in chip-manufacturing plants.

The user interface is a large colour touch screen with intuitive software allowing easy configuration of the instrument set-up for process parameters and alarms. The main measurement window continuously displays real time process readings, graphed sensor trends, alarm limits, temperature and event occurrence.

- Up to 3 sensors input for a reduced cost of installation and ownership
- High level of accuracy and rapid response time means reliable and effective process monitoring
- Thermal cut-off sensor protection for CIP/abnormal high temperature conditions
- Adjustable alarms and outputs providing assurance that any out of specification events are recorded
- Simple transfer of product and global configuration settings between instruments using USB-client or USB-host
- Product change can be driven by Profibus DP from a centralized automation system
- External pressure sensor option enables gas concentration measurement under variable pressure conditions

| Part Number     | Enclosure Construction | Power Requirements (Voltage) | Communication                            | Electrode Compatibility                | USD Price    |
|-----------------|------------------------|------------------------------|--|--|--------------|
| 511FK0/P1C1P0N0 | Panel Mount            | 100 - 240 VAC                | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx<br>Channel 2 : K1200 | Contact Hach |
| 511F00/P1C0P000 | Panel Mount            | 100 - 240 VAC                | 3 x 0/4-20 mA; RS485; Ethernet           | Channel 1 : 312xx                      | Contact Hach |
| 511F00/P1C1P0N0 | Panel Mount            | 100 - 240 VAC                | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx                      | Contact Hach |
| 510B00/P1C0P000 | Panel Mount            | 100 - 240 VAC                | 3 x 0/4-20 mA; RS485; Ethernet           | Channel 1 : 312xx                      | Contact Hach |
| 511F00/T3C0P000 | Portable               | 90-240 VAC & Battery         | 3 x 0/4-20 mA; RS485; Ethernet           | Channel 1 : 312xx                      | Contact Hach |

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|--------------------|-------------------------------|-------------------------------------|--|---|------------------|
| 512AF0/P1C1P000    | Panel Mount                   | 100 - 240 VAC                       | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 311xx or A1100<br>Channel 2 : 312xx | Contact Hach     |
| 511F00/P1C1P000    | Panel Mount                   | 100 - 240 VAC                       | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx                               | Contact Hach     |
| 511FK0/W1C1P0N0    | Wall mount                    | 100 - 240 VAC                       | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx<br>Channel 2 : K1200          | Contact Hach     |
| 511AF0/P1C1P000    | Panel Mount                   | 100 - 240 VAC                       | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx                               | Contact Hach     |
| 511F00/W1C1P000    | Wall mount                    | 100 - 240 VAC                       | 3 x 0/4-20 mA; RS485; Ethernet; Profibus | Channel 1 : 312xx                               | Contact Hach     |
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