



Orbisphere 51x Nitrogen Controllers

The Orbisphere 51x controller using Orbisphere thermal conductivity sensors provides precise, selective and reliable measurements of N₂.

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	Communication	Electrode compatibility	Enclosure construction	Power requirements (Voltage)	GBP Price
511E00/P1C1P000	Profibus DP, RS485	Channel 1 : 315xx	Panel Mount	100 - 240 V AC	Contact Us
512AE0/T3C0P000	Profibus DP, RS485	Channel 1 : 311xx or A1100 Channel 2 : 315xx	Portable	100 - 240 V AC	Contact Us
512AE0/W1C1P000	Profibus DP, RS485	Channel 1 : 311xx or A1100 Channel 2 : 315xx	Wall mount	100 - 240 V AC	Contact Us
512EF0/P1C1P000	Profibus DP, RS485	Channel 1 : 315xx Channel 2 : 312xx	Panel Mount	100 - 240 V AC	Contact Us
511E00/W1C1P000	Profibus DP, RS485	Channel 1 : 315xx	Wall mount	100 - 240 V AC	Contact Us

Part Number	Communication	Electrode compatibility	Enclosure construction	Power requirements (Voltage)	GBP Price
511EK0/P1C1P0N0	Profibus DP, RS485	Channel 1 : 315xx Channel 2 : K1200	Panel Mount	100 - 240 V AC	Contact Us