



# 7300w<sup>2</sup> Monitor

## Monitor for the WaterWatch<sup>2</sup> Range

PRODUCT DATASHEET

### KEY FEATURES

Multisensor  
Multiparameter  
Graphic Display with 24hr Trending  
Datalogging  
4-20mA and Relay Outputs  
Modbus RTU/RS485 Communications  
Profibus DP Communications  
90-264VAC or 9-36VDC Power Supply

### COMPATIBLE SENSORS

TurbiTechw<sup>2</sup> LA  
TurbiTechw<sup>2</sup> LS  
TurbiTechw<sup>2</sup> HR  
TurbiTechw<sup>2</sup> LR  
OilTechw<sup>2</sup> FLT  
OxyTechw<sup>2</sup> RDO Pro-X  
OxyTechw<sup>2</sup> GAL  
WaterTechw<sup>2</sup> pH8000  
WaterTechw<sup>2</sup> Redox8000  
WaterTechw<sup>2</sup> C4E  
ColTechw<sup>2</sup>  
UVT-LED  
SoliTechw<sup>2</sup> IL  
WaterTechw<sup>2</sup> TMP



The standard specification monitor provides all the connections required for up to 2 sensors and the system can be expanded by the use of expansion boxes to accommodate 16 parameters in any combination.

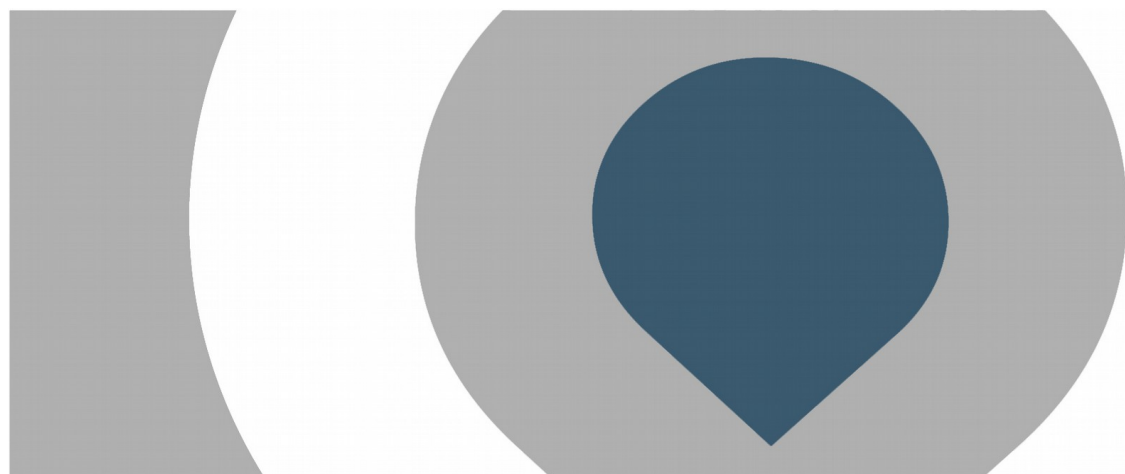
By allowing the user to connect a variety of sensors to just one monitor and with the option for a single MODBUS or PROFIBUS output cable, the 7300w<sup>2</sup> greatly reduces installation costs, setup complexity and equipment configuration.

DO, MLSS & ORP or pH sensors in an aeration lane or Turbidity, pH & temperature at the final effluent point are just 2 examples of where the 7300w<sup>2</sup> can save a user over 60% compared with a separate monitor for each sensor. The 7300w<sup>2</sup> network can also be expanded so additional measurement points can be added at a later date.

In both terms of software and hardware, the 7300w<sup>2</sup> has been designed with the user in mind:

- Easy to read LCD display, visible even in direct sunlight
- Large touch buttons with feedback for use with gloves
- Intuitive menu structure to allow for minimal training and setup
- Automatically registers and sets up sensors when connected

The 7300w<sup>2</sup> contains an inbuilt trending display, customer configurable, that shows the last 24hours data for any measurement point on an easy to navigate graph. This can also be downloaded for reporting purposes. An external USB port and data logging function allows users to log and retrieve all stored data for a site in a standard .csv format without the need for specialist SD cards or compatible hardware.



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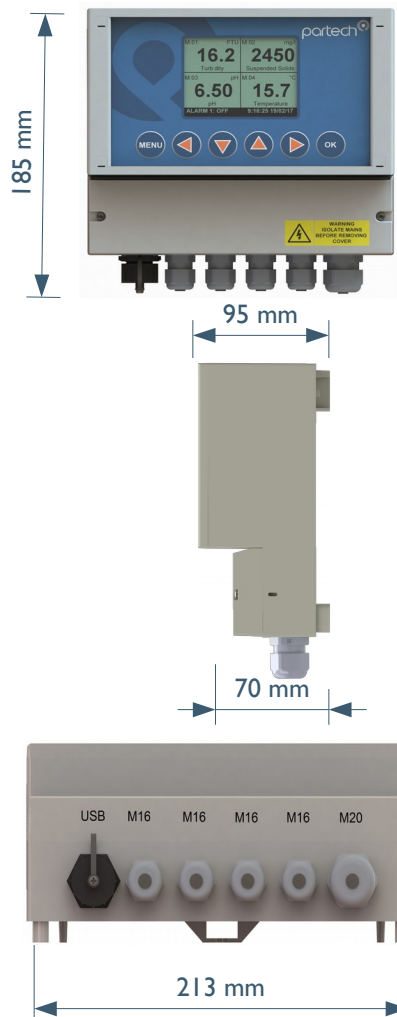
Rockhill Business Park, Higher Bugle, St Austell, Cornwall, UK, PL26 8RA



# 7300w<sup>2</sup> Monitor

## Monitor for the WaterWatch<sup>2</sup> Range

### PRODUCT SPECIFICATION



#### Order Codes

Part No	Description
223160	7300w <sup>2</sup> Monitor (85-264VAC, 2 x 0/4-20mA Output, 3 x Relay Outputs)
223161	7300w <sup>2</sup> Monitor (9-36VDC, 2 x 0/4-20mA Output, 3 x Relay Outputs)
226974	7300w <sup>2</sup> (85 to 264VAC, MODBUS Slave, 1 Relay output)
226975	7300w <sup>2</sup> (9 to 36VDC, MODBUS Slave, 1 Relay output)

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The company reserves the right to alter the specification without prior notice. E&OE

#### Physical

Dimensions  
Weight  
Protection Class  
Enclosure Material  
Cable Entries  
Cable Size

213 x 185 x 95 mm (HxWxD)  
1.4 kg  
IP65 (NEMA/NEMA4X)  
Polycarbonate (PC)  
1 x M20, 4 x M16  
Core Size 2.5mm<sup>2</sup>

#### Environmental Data

Operating Temperature  
Location

-20 to 70°C, 0 to 95% Relative Humidity, Non-Condensing  
Indoor/Outdoor

#### Electrical

Power Supply  
Power Rating

100 to 240VAC, 50/60 Hz or 9-36VDC  
30W - If more than 2 sensors are to be used, then an external higher rated power supply may be necessary

#### Outputs/Interfaces

Analogue Outputs

0/4-20mA, max load 750 ohms

Serial Outputs

MODBUS RTU/RS485 & PROFIBUS DP (Separate expansion box required for Profibus DP)

Relays

Relay Type  
Relay Rating

3 (reduced to 1 relay for MODBUS/PROFIBUS version)  
SPCO  
Max 2A @30VDC/230VAC

Auxiliary Connections

Configurable for Remote Input, Device Power

#### Sensor Interface

Digital Communications

ModTechw<sup>2</sup> – RS485

#### User interface

Display  
Viewing Area  
Backlight  
Membrane Keypad  
Trending Display  
Data logging

Graphic LCD, Black on White, Transreflective  
78 x 59 mm  
On/Off/On after keypress with user adjustable contrast  
6 Key, pillow embossed, 20 mm diameter  
24 hour trend display – user configurable  
USB Port for user memory stick. 32GB Max FAT32 configured.  
10,000 records limit  
User configurable intervals 1-999seconds. Default 300 secs

#### Mounting

Handrail mounting plate  
Mounting plate with isolator  
Outer enclosure with isolator

PN223974  
PN223975  
PN226786/226787 AC/DC models



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