



# TEMPERATURE LOGGERS

## Special Sterilization/Autoclave Model DW-AC-ZY-2-SI

The DataWatch™ DW-AC-ZY-2-SI is a highly specialized temperature logger designed specifically to monitor the performance of heat and pressure autoclaves. The unit is pressure sealed, resistant to constant exposure to high pressure steam and elevated temperatures. The unit is rated to withstand +150C and 5 bar pressures for up to 30 minutes.

The unit is provided with an internal sensor that serves as a reference baseline, but also does not allow reprogramming until the internal temperature of the unit falls below 40C. The unit is activated with a standard DataWatch™ starter magnet, but requires a special interface that accomodates the smaller profile of the logger body.



The special interface is ordered under the product code DW-INT-SSC. The unit cannot be downloaded without this essential accessory.



**Inquire about Global Sensors calibration maintenance programs. We calibrate what we sell.**

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## Specifications

### Temperature Measuring Range

77° F to +302° F (+25° C to +150° C)

### Accuracy

± 0.9° F (± 0.5° C)

### Response Time

T<sub>90</sub> of 4 minutes (external probe) and 12 minutes (internal) in moving air

### Average Resolution

+0.5° F (+0.3° C)

### Timing Resolution

Real time clock - accuracy better than 40 seconds/month

### Memory

2,000 samples

### Sampling Frequency

5 seconds to every 255 minutes

### Warranty

Two Years

### Endurance Ratings

Dry heat +302° F(150° C) for 60 minutes; +257° F (125° C) indefinitely  
Autoclave Standard: +302° F(+150° C) @ 5 bar for 30 minutes

### External Sensor

Integral Stainless Steel probe

### Case

All 316 Stainless Steel or High Temp Resin  
Rated IP68 Assembled  
Case Body: 2.6 in x 1.7 in (65mm x 43mm)  
Probe: height 1.0 in (25mm)  
diameter 0.18 in (4.5mm)

### Weight

12.2 oz (345g)

### Battery

High quality user-replaceable lithium photo cell provides unattended operation for over a year

### Software

Simple 'one-click' download of information and a software that easily allows you to reset the logger for another usage; Activation at specified "wake-up" time or by immediate magnet-swipe