

## Tinytag Splash 2 (-30 to +105 °C)

### TG-4105

**Issue 1**21st September 2007  
E&OE

Waterproof, with a temperature rating of 105°C, this unit is suitable for use in a number of washing applications such as industrial dishwashers.

The unit has a high visibility yellow case and an external probe which gives it a fast response time.

The unit can be returned to base for repair, calibration and battery replacement.

Data is downloaded to the computer via a USB or serial download pad. This 'wireless connection' eliminates the need for sockets with waterproof caps which can easily be lost or forgotten.

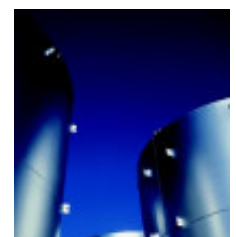
#### Popular Applications

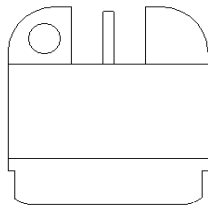
- Dish Washers
- Sterilisers
- Pasteurisation



#### Features

- Submergible temperature recorder
- Waterproof to 15m
- 32,000 reading capacity
- User-programmable logging interval
- 2 user-programmable alarms
- Delayed and trigger start options
- 3 stop options
- Low battery warning





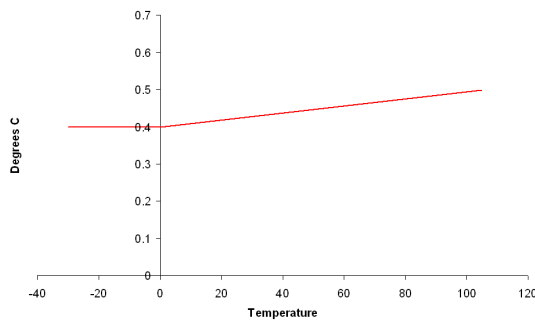
## Features

<b>Total Reading Capacity</b>	32,000 readings
<b>Memory type</b>	Non Volatile
<b>Trigger Start</b>	Magnetic Switch
<b>Delayed Start</b>	Relative / Absolute (up to 45 days)
<b>Stop Options</b>	When full After n Readings Never (overwrite oldest data)
<b>Reading Types</b>	Actual, Min, Max
<b>Logging Interval</b>	1 sec to 10 days
<b>Offload</b>	While stopped or when logging in minutes mode
<b>Alarms</b>	2 fully programmable; latching

## Reading Specification

<b>Reading Range</b>	-30 °C to +105 °C (-22 °F to +221 °F)
<b>Sensor Type</b>	PT1000 (Integral Probe)
<b>Response Time</b>	10 seconds to 90% FSD in water
<b>Reading Resolution</b>	0.01 °C or better

### Reading Accuracy



## Physical Specification

<b>IP Rating</b>	IP68 (waterproof) to 15m
<b>Operational Range*</b>	-30 °C to +105 °C (-22 °F to +221 °F)
<b>Case Dimensions</b>	
<b>Diameter</b>	51mm / 2.01"
<b>Height</b>	51mm / 2.01"
<b>Weight</b>	95g / 3.35oz

\*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record.

## Calibration

This unit is configured to meet Gemini's quoted specification during its manufacture.

We recommend that the calibration of this unit should be checked annually against a calibrated reference meter.

A UKAS traceable certificate of calibration can be supplied for an additional charge either at the point of purchase, or if the unit is returned for a service calibration.

## Notes

**This logger contains no user-serviceable parts and should not be opened.**

**Battery Replacement Interval**      Annually\*

\*If deployed for long periods, the logger's battery should be replaced annually to prevent the loss of data during a recording run. If the logger is being used frequently, the battery should be changed when prompted by a low battery warning from the Tinytag Explorer software.

The battery in this unit can only be replaced by Gemini Data Loggers (UK) Ltd. or an authorised representative. Please see [www.tinytag.info/support](http://www.tinytag.info/support) for further information.

The position of the unit's trigger start switch is indicated by the . . . marking on its base. The switch itself is positioned on the side of the unit, just above the base-lid join, on the edge indicated. When a magnet is held in the correct location, the status LED will light until the magnet is removed.

### LED Flash Patterns

When logging, a status LED is visible through the base of the unit. The flash patterns of this indicator are as follows:

Status LED Flash Pattern	Indication
1 flash every 4 seconds	Logging
1 flash every 8 seconds	Waiting to Log (trigger or delayed start set)
A double flash every 4 seconds	Alarm limit breached

## Approvals

This equipment complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) the device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd to BS EN ISO9001:2000 (Certificate No. 6134).



## Required and Related Products

To use this data logger you will require:

SWCD-0040: Tinytag Explorer software  
or  
SW-0500: Easyview Pro software

and an

ACS-3030: USB Inductive Pad

**Further related products:**

ACS-3020: Serial Inductive Pad