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INTRODUCTION

Signatrol offer a range of water-tight secondary enclosures that have been developed to protect the SL50 series of data logging buttons. These are especially recommended when the button is likely or expected to be subjected to pressure variations.

Use of the enclosure slows the response time as detailed in the tables below. To download the logged temperature data, the logger needs to be taken out of the enclosure. The maximum operating temperature is defined by the type of button used.



SL50-ACC01



Construction	316 Stainless Steel
Protection	Up to 10 Bar / 100m Submersion
'O' Ring	Silicone BS115
Response Time - With SL51T inside - in water.	
63% Step Change	73 Seconds
10 to 90% Step Change	142 Seconds
Response Time - With SL51T inside - in air.	
63% Step Change	373 Seconds
10 to 90% Step Change	717 Seconds

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SL50-ACC01 Stainless Steel Enclosure

SL50-ACC03



Construction	Polyphenylene Sulphide*
Protection	Up to 1 Bar / 10m Submersion
'O' Ring	Silicone S500-70 FDA Approved
Response Time - With SL51T inside - in water.	
63% Step Change	118 Seconds
10 to 90% Step Change	237 Seconds
Response Time - With SL51T inside - in air.	
63% Step Change	407 Seconds
10 to 90% Step Change	827 Seconds

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SL50-ACC03 Plastic Enclosure

* The injection molding compounds (Ryton® PPS) used in the SL50-ACC03 are subject to the general safety provisions of the U.S. Food, Drug and Cosmetic Act. It is the responsibility of the purchaser/user the enclosure to determine the safety and suitability of the injection molding compounds for their specific application.

Easy Solutions

23/7 Thiru-Vi-Ka 3rd Street,
Chennai, Tamilnadu - 600 004, India

Telephone: +91 (0)44 2467 1431 Fax: +91 (0)44 4210 7495 Email: sales@dataloggermart.com

SL50-ACC05



Construction	316 Stainless Steel
Protection	Up to 0.5 Bar / 5m Submersion
'O' Ring	Silicone BS115
Response Time - With SL51T inside - in water. 63% Step Change 10 to 90% Step Change	40 Seconds 111 Seconds
Response Time - With SL51T inside - in air. 63% Step Change 10 to 90% Step Change	232 Seconds 478 Seconds

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SL50-ACC05

Fast Response Stainless Steel Enclosure

SL50-ACC06



Construction	Silicone Rubber*
Protection	Up to 0.5 Bar / 5m Submersion
'O' Ring	Silicone S500-70 FDA Approved
Response Time - With SL51T inside - in water. 63% Step Change 10 to 90% Step Change	90 Seconds 243 Seconds
Response Time - With SL51T inside - in air. 63% Step Change 10 to 90% Step Change	270 Seconds 575 Seconds

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SL50-ACC06-PK5

Pack of 5 Silicone Enclosures

SL50-ACC06-PK10

Pack of 10 Silicone Enclosures

* Silicone material trade name - Thermoflex compound No 2850R. Minimum operating Temperature -50°C (-58°F). Maximum operating temperature +316°C (+600°F). Please note Maximum operating temperature with SL51T or SL52T data loggers is +85°C (+185°F). When used with the SL53T data loggers, the maximum operating temperature is +125°C (+257°F)