

# Get Temperature HTTP/JSON

## Interface Design Description

Service ID: *"get-temp"*



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**Get Temperature HTTP/JSON**  
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**Finished**  
Page  
**2 (7)**

## Contents

<b>1 Overview</b>	<b>3</b>
<b>2 Service Interface</b>	<b>4</b>
2.1 function <b>Get Temperature</b> . . . . .	4
<b>3 Information Model</b>	<b>5</b>
3.1 struct <b>TemperatureResponseDTO</b> . . . . .	5
<b>4 References</b>	<b>6</b>
<b>5 Revision History</b>	<b>7</b>
5.1 Amendments . . . . .	7
5.2 Quality Assurance . . . . .	7



ARROWHEAD

Document title  
**Get Temperature HTTP/JSON**  
Date  
**2022-12-12**

Version  
**1.3**  
Status  
**Finished**  
Page  
**3 (7)**

## 1 Overview

This document describes the interface of the "get-temp". The interface uses HTTP REST protocol and JSON encoding.



ARROWHEAD

## 2 Service Interface

This section lists the functions of the service.

### 2.1 GET `/temperature/get-temp`

Function: **Get Temperature**

Input: **None**

Output: **TemperatureResponseDTO**

Called to get the last temperature log measured by the sensor.

```
1 GET /temperature/get-temp HTTP/1.1
2
3 {
4   "time" : 1000210440000,
5   "value" : 1001.5
6 }
```

Listing 1: An `get-temp` response example.



ARROWHEAD

Document title  
**Get Temperature HTTP/JSON**  
Date  
**2022-12-12**

Version  
**1.3**  
Status  
**Finished**  
Page  
**5 (7)**

## 3 Information Model

Data objects that can be part of the service. Note that all the structure are encoded in JSON :

### 3.1 struct **TemperatureResponseDTO**

Response of the detector about the presence of an object.

Object Field	Value Type	Description
"Time"	long	Timestamp of the temperature log
"Value"	double	Value of the temperature log



ARROWHEAD

Document title  
**Get Temperature HTTP/JSON**  
Date  
**2022-12-12**

Version  
**1.3**  
Status  
**Finished**  
Page  
**6 (7)**

## 4 References

This document alongside any other document linked to this project are based on template documents, that are the description of "Intercloud Contract Negotiation and Automation" system, by Emanuel Palm [emanuel.palm@ltu.se]. I just adapted the template to my system.



ARROWHEAD

Document title  
**Get Temperature HTTP/JSON**  
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**2022-12-12**

Version  
**1.3**  
Status  
**Finished**  
Page  
**7 (7)**

## 5 Revision History

### 5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1				

### 5.2 Quality Assurance

No.	Date	Version	Approved by
1			