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# **PrimeSTG Documentation**

***Release 1.0.0***

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## PrimeSTG

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Python library of Prime STG-DC Interface Specification

Read the documentation at <http://primestg.readthedocs.org>

```
from primestg.report import Report

# xml is a basestring with a filename or a file object with the report
report = Report(xml)

# get all values of the report
values = report.values

# get the values of first concentrator
values = report.concentrators[1].values

# get the values of second meter of the first concentrator
values = report.concentrators[1].meters[2].values

# get the first value set of second meter of the first concentrator
values = report.concentrators[1].meters[2].measures[1].values

# get the parameters of the first concentrator from report S12
values = report.concentrators[1].parameters[1].values
```





## 2.1 `primestg.message`

**class** `primestg.message.BaseMessage` (*xml*)  
Base XML message.

**`__init__`** (*xml*)  
Create an object of BaseMessage.

**Parameters** *xml* – a file object or a string with the XML

**Returns** an instance of BaseMessage

**`__weakref__`**  
list of weak references to the object (if defined)

**`objectified`**  
The XML objectified

**Returns** the XML objectified

**class** `primestg.message.MessageS` (*xml*)  
Message class for reports.

## 2.2 `primestg.report`



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## Indices and tables

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