

# OBIS-Codes

Object identification system (OBIS) Codes are used to identify the different readings of a smart meter transferred in Smart Message Language (SML). They are described in the international standard IEC 62056-61.

- [Structure](#)
- [Examples](#)

## Structure

Every code consists of 6 separated group sub-identifiers. In general some of these identifiers may be omitted but our products require the full code. The basic pattern is:

**A-B:C.D.E\*F**

group	description	examples
<b>A</b>	medium	1 = electricity, 8 = water
<b>B</b>	channel	0 = no channel available
<b>C</b>	physical unit, depends on <b>A</b>	power, current, voltage...
<b>D</b>	measurement type, depends on <b>A</b> and <b>C</b>	maximum, current value, energy...
<b>E</b>	tariff	0 = total, 1 = tariff 1, 2 = tariff 2 ...
<b>F</b>	separate values defined by <b>A-E</b>	billing periods, <b>255</b> if not used

## Examples

1-0:1.8.0*255	Positive active energy (A+) total [kWh]
1-0:3.8.1*255	Positive reactive energy (Q+) in tariff T1 [kvarh]