

Open

Outputs the first value within a given sampling interval.

For example, if a sensor gives raw data every 5 minutes, but an hourly sampling interval is applied to a chart, Open() will give the first raw data point reported over the previous hour.

Specifically, the Open() reported value at 2:00, is the raw data point at 1:05 if a five minute interval is used.

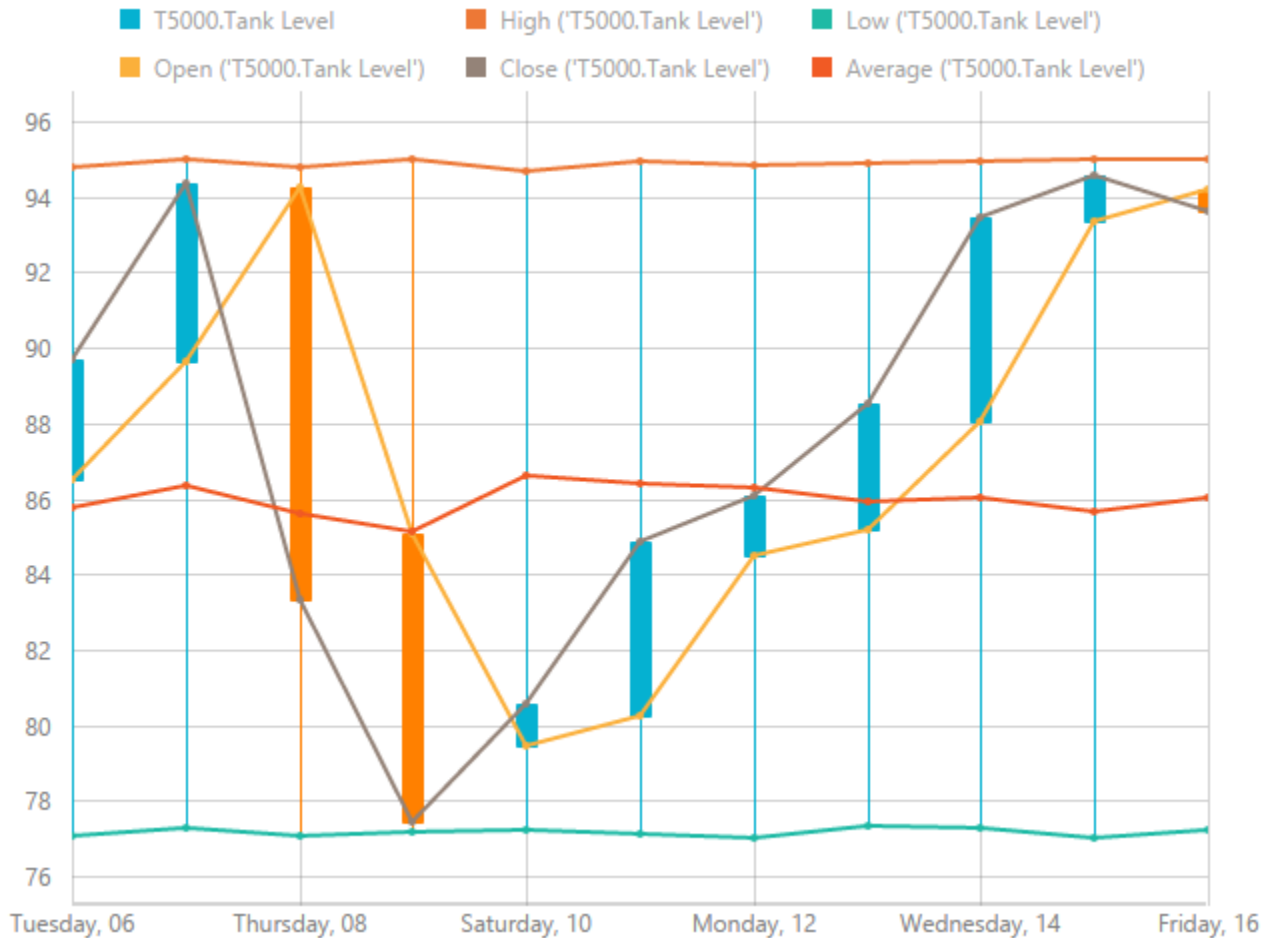
Parameter	Description
Sensor ID	The unique ID of the sensor data to be used in the function. <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"><p>Warning:</p><p>This function must be run directly on raw sensor data. An internal function cannot be used (e.g. High(Previous(4))), as this does not pass all the required information.</p></div>

Example Usage as an Expression:

Open('PRV1-2B.PR.V Flow Rate'): Find open values from sensor PRV1-2B. PRV Flow Rate

Examples Reference Chart:

The following example shows various reports of daily tank levels overlaid on an [Candlestick Chart](#). The **Open** and **Close** value indicate whether the tank experienced a net filling or draining through the day, while **High** and **Low** show the range of values that day. The **Average** value shows the central tendency.



For information on setting up custom equations and syntax, please refer to [Analytical Functions](#).