

Monitoring Data

Data Element	Format	Comments
timestamp	<p>Required</p> <p>Format on input epoch (unix timestamp) Example: 1577836800</p> <p>Format on output RFC3339 Example: 2020-01-01T00:00:00.00Z</p> <p>Precision seconds</p>	<p>When inputting time series data with a text file, the line protocol format requires that time is entered in epoch time. In oTherm, the precision is defined as 'seconds'</p>
tag	<p>Required</p> <p>tag key: 'equipment-uuid'</p> <p>tag value: equipment.uuid</p>	<p>Each time series record for heat pump operating is tagged with the equipment uuid.</p>
field	<p>Required</p> <p>field key: name of measurement type Example: 'source_supplytemp'</p> <p>field value: float</p>	<p>Name of measurement type for monitoring system.</p> <p>MeasurementType.name Each record must have least one field and most records will have multiple fields constituting a 'field set'.</p>

Weather Data

Data Element	Format	Comments
timestamp	<p>Required</p> <p>Format on input epoch (unix timestamp) Example: 1577836800</p> <p>Format on output RFC3339 Example: 2020-01-01T00:00:00.00Z</p> <p>Precision seconds</p>	<p>When inputting time series data with a text file, the line protocol format requires that time is entered in epoch time. In oTherm, the precision is defined as 'seconds'</p>
tag	<p>Required</p> <p>tag key: National Weather Service Station ID (e.g, 'KPSM')</p> <p>tag value: weather_station.name</p>	<p>Each time series record for weather data is tagged with the weather station name.</p>
field	<p>Required</p> <p>field key: name of weather measurement Example: 'temperature_c'</p> <p>field value: float</p>	<p>Name of weather measurement type</p> <p>Each record must have least one field and most records will have multiple fields constituting a 'field set'.</p>