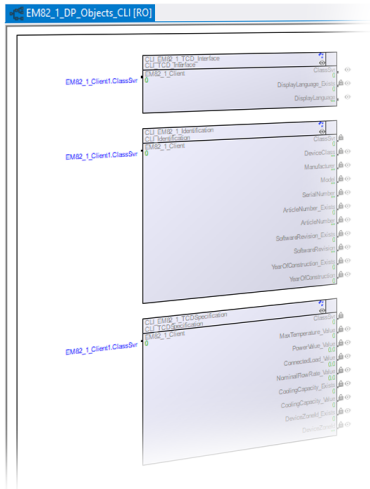# EM82.1 Client

The EM82.1 client package provides the option to integrate a temperature device via Euromap 82.1 communication. The SIGMATEK system thereby operates as an OPC-UA client.

The Euromap 82.1 standard describes a uniform interface between injection molding machines and temperature devices and provides the option to read status information, define set values, transfer alarms etc.

SYSTEM REQUIREMENTS

Performance Index	A B C D E

Memory Requirements of the EM82.1 Client Expansion:

The OPC_UA service (class OPC_UA) requires memory for setting up the OPC_UA standard address space and OPC_UA environment, approx:

Code Size [KB]	3618
User Heap [KB]	1749
LSE Project Size [KB]	0
SRAM [bytes]	0

The EM82.1 client including the DP objects additionally require about:

Code Size [KB]	773
User Heap [KB]	309
LSE Project Size [KB]	0
SRAM [bytes]	80

COMPONENTS

Library EM82.1 Client
- Contains all classes for starting or updating the software

Application Demo
- Implementation of the Euromap 82.1 client

Documentation
- All class documentation, as well as user and program manual where required

XML
- XML file for reading the server address space

FEATURES

- OPC-UA based interface for temperature devices
- Alarm transfer
- Predefined data objects for data retention (optional)
- Secure communication via SSL encryption (optional)

SOFTWARE VERSIONS

Design environment	LASAL CLASS 2
Operating system	RTOS, Salamander