

RFE

RFE communication protocol

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Supported device types and versions

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Communication line configuration

- Communication line category: **FILE I/O**.
- An input file is a file generated by X-ray analyzer, which contains the chemical composition of raw materials.
- Archive directory is a directory which contains the input files. The files are moved there under new name after analyzing by this protocol.

Communication station configuration

- Communication protocol: **RFE**
- Station address is a name of raw material (measuring method).

I/O tag configuration

I/O tags: **AI, DI, TxtI**

The address of I/O tag is the name of oxide.

The value of I/O tag is a percentage of oxide in the raw material.

Error handling

The error handling (when analyzing the input file) can be done when you configure a special station with the special I/O tags. The protocol can provide the detail information about error with the help of these points.

The value of I/O is TxtI:

- Station address - **RFE_ERRORS**
- I/O tag addresses:
 - **FILE_TIME_ERROR** - date of input file is out of range. The range is set on the current time $\pm$ 12 hours.
 - **UNKNOWN_MATERIAL** - any station address does not respond to the loaded measuring method (the value is formed by the names of unknown method separated by semicolon).
 - **UNKNOWN_OXID** - any I/O tag address does not respond to the loaded oxide (the value is formed by the names of unknown oxides separated by semicolon).

Literature

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Changes and modifications

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Document revisions

- Ver. 1.1 – February 8, 2000 – Document creation



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