

# Reference file of CSV type

Data related to one object ([I/O tag](#), [station](#)) is placed in one line and separated by semicolon. Line begins with a keyword according to the type of object, which data are placed in the row. For I/O tag data the row begins with the keyword **POINT**, for communication station data the row begins with the word **STATION**. Order and meaning of individual data (columns) in line are defined by column definition, which is described in some of lines above the lines with data. Column definition is valid until next column definition occurs. Column meaning definition begins with the keyword **:STATION** (for object of [Station](#) type), or **:POINT** (for object of [I/O tag](#) type).

## Keywords for definition of column meaning - stations

- **NAME** – object name
- **DESCRIPT** – object description
- **PROTOCOL** – values equal to REF file values
- **UPDATE\_POINTS** – it processes also I/O tags defined after station: YES/NO

## Keywords for definition of column meaning - I/O tags

- **NAME** – object name
- **DESCRIPT** – object description
- **D2TYPE** – I/O tag type: AI, AO, CI, CO, DI, DOut, TiA, ToA, TiR, ToR, QI
- **TECH\_UNIT** – technical units
- **LL** – the lowest limit
- **L** – low limit
- **H** – high limit
- **HL** – the highest limit
- **ADDRESS1** – address
- **ADDRESS2** – address
- **DEAD\_BAND** – dead band
- **TECH\_CONV1, TECH\_CONV2, TECH\_CONV3, TECH\_CONV4, TECH\_CONV5** – technical conversion – values equal with REF file values
- **ARCHIV** – create archive object: YES/NO
- **ARC\_FILTERL** – archive filter: value below limit
- **ARC\_FILTERN** – archive filter: value in limit
- **ARC\_FILTERH** – archive filter: value above limit
- **ARC\_FILTER** – archive filter: value (for all the three cases)
- **%IGNORE** – column, where keyword begins with the character % is not processed



### Related pages:

[Example of reference file of CSV type](#)