

StreamDevice: calcout Records

Note: Device support for calcout records is only available for EPICS base R3.14.5 or higher.

Normal Operation

Different record fields are used for output and input. The variable x stands for the written or read value.

DOUBLE format (e.g. $\%f$):

Output: $x=OVAL$

Input: $VAL=x$

Note that the record calculates $OVAL$ from $CALC$ or $OCAL$ depending on $DOPT$.

LONG format (e.g. $\%i$):

Output: $x=int(OVAL)$

Input: $VAL=x$

ENUM format (e.g. $\%\{$):

Output: $x=int(OVAL)$

Input: $VAL=x$

STRING format (e.g. $\%s$):

Not allowed.

For calcout records, it is probably more useful to access fields A to L directly (e.g. " $\%(A)f$ "). However, even if $OVAL$ is not used, it is calculated by the record. Thus, $CALC$ must always contain a valid expression (e.g. " 0 ").

Initialization

During initialization, the `@init` handler is executed, if present. All format converters work like in normal operation.

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