easYgen-3000/-XT - HMI Display format/scaling U, I, P, Q, S

Özgür Tosun - 2024-09-27 - easYgen-3000XT

easYgen-3000/-XT - HMI Display format/scaling definition

The base format is defined by the PT/CT values. The system is same for U, I, P, Q, S

Here as an example for P:

Base format	xxx	W
>998 W	x.xx	kW
>9,994 W	xx.x	kW
>99,949 W	xxx	kW
>999,499 W	x.xx	MW
>9,994,999 W	xx.x	MW
>99,949,999 W	xxx	MW
>999,499,999 W	x.xx	GW

If the current value is larger than specified by the transducers, the display changes dynamically to coarser resolution.

If the current value can be shown with finer resolution than the basic format and the values are smaller than the following limits, the format changes to finer resolution. Only one step finer than the base format is allowed. This is for most U, P, Q, S.

It is not for I, since the scaling does not change when the current becomes smaller

<900 W	xxx	W
<9,000 W	x.xx	kW
<90,000 W	xx.x	kW
<900,000 W	xxx	kW
<9,000,000 W	x.xx	MW
<90,000,000 W	xx.x	MW
<900,000,000 W	xxx	MW