



# Other electrical measurement devices

## Measurement devices

### Transducers



They provide conversion of an AC electrical value (A, V, Hz, Cos phi, W, Var) into a DC signal, with standardised current or voltage.

They are available in surface-mount casings (CS range).

These devices are designed for DIN rail or back plate mounting.

Type CS transducers are available in two sizes:

- 75 mm for current, voltage and frequency converters,
- 150 mm for power or three-phase converters.

Consult us.

### Modular transducers



Available in:

- 3-DIN module housings (52.5 mm) for current, voltage and frequency converters,
- 6-DIN module housings (105 mm) for current (output 4-20 mA), voltage (output 4-20 mA) converters,
- 9-DIN module housings (157.5 mm) for power or three-phase converters.

Consult us.

### Analogue meters



SOCOMECS ferromagnetic ammeters and voltmeters measure the AC current/voltage of any electrical circuit. SOCOMEC vibrating reed or needle type frequency meters have a converter either integrated or in a separate casing and measure the frequency of any electrical circuit.

The wattmeters, varmeters and phase-meters consist of an analogue meter and a separate converter. They are available in 3 types of casing: Rotex round barrel model in 72 or 96, in a DIN 48 to 144 body or a modular casing (3 modules).

With pointer deflections of 90° and 240°, they can be flush-mounted into cubicles, enclosures or other equipment.

Consult us.

## Selector switches



Voltmeter and ammeter switches that allow phase selection on a three-phase circuit for voltage and current measurement.

They are available in three different casings:

- for screw mounting,
- with a central  $\varnothing$  22 mm mounting,
- for DIN rail mounting.

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## Digital meters



They measure all types of electrical values (A, V, Hz, Cos phi, P, Q...).

The range:

- 2 different types of casing: rectangular or square:
  - 2 sizes of rectangular casing,
  - 2 sizes of square casing.
- direct measurement or connection to a current or voltage transformer,
- 2000-point (3.5 digits) or 20000-point (4.5 digits) display,
- possibility of having 2 or 3 different types of measurement in the same square casing (AAA-VVV-AVF...),
- multi-indicator version,
- RMS-value.

Consult us.

## Hour counters



Often combined with analogue meters in an electrical panel, hour counters count the total operating time of machines or electrical equipment.

Consult us.