

## CW-TA Out1,3



CW-TA Out1,3, Transducer kW

Code: M25231. CONSULTAR DISPONIBILIDAD

- > Output type: 1, 3
- > Analog output: 0...20mA
- > System: Unbalanced three-phase ARON (3 wires)
- > Paramètre: kW

### Description

The **CW** transducers, convert the signal measured to D.C. signal process.

The analog output is directly proportional to active power - single phase measurement. The measurement is in true RMS.



## CW-TA Out1,3

Active power transducer

Code: M25231.

### Specifications

#### AC power supply, insulation

|                   |                     |
|-------------------|---------------------|
| Pulse test (kV)   | 4 kV (1,2/50μs)     |
| Test voltage (kV) | 3 kV RMS 50 Hz 1min |

#### AC power supply

|                 |                                  |
|-----------------|----------------------------------|
| Consumption     | 3 VA                             |
| Frequency       | 40...90 Hz                       |
| Nominal voltage | 24/115/230/400 Vca (-15...+20 %) |

#### DC power supply, insulation

|                   |                     |
|-------------------|---------------------|
| Pulse test (kV)   | 3 kV (1,2/50μs)     |
| Test voltage (kV) | 2 kV RMS 50Hz 1 min |

#### DC power supply

|                 |                                     |
|-----------------|-------------------------------------|
| Consumption     | 3 VA                                |
| Nominal voltage | 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc |

#### Mechanical characteristics

|                                  |                    |
|----------------------------------|--------------------|
| Size (mm) width x height x depth | 95 x 72 x 110 (mm) |
| Weight (kg)                      | 0,54               |

#### Environmental characteristics

|                     |                                |
|---------------------|--------------------------------|
| Protection class    | IP 20 (Terminals) IP 40 (case) |
| Storage temperature | -40...+70 °C                   |
| Working temperature | -10...+55 °C                   |

#### Current measurement circuit

|                           |                    |
|---------------------------|--------------------|
| Consumption               | 0,2 VA             |
| Nominal current (In)      | 1 A / 5 A          |
| Phase current measurement | 0...150 % In       |
| Allowable overload        | 300 % In permanent |

#### Voltage measurement circuit

|                                       |              |
|---------------------------------------|--------------|
| Input impedance                       | 3000 Ω/V     |
| Frequency measuring range             | 45...65 Hz   |
| Voltage measuring range               | 0...150 % Vn |
| Nominal voltage                       | 0...660 Vca  |
| Maximum permanent measurement voltage | 1000 V       |

## CW-TA Out1,3



Active power transducer

Code: M25231.

### Standards

|                                       |   |
|---------------------------------------|---|
| Electrical safety, Maximum height (m) | 2000  |
| Standards                             | IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 |

### Analogue inputs

|                              |                        |
|------------------------------|------------------------|
| Load impedance in current    | < 500 Ω                |
| Ripple (effective RMS value) | < 0,5 %                |
| Load impedance in voltage    | > 500 Ω                |
| Response time                | < 300 ms (0...99 % Vn) |

### Analogue outputs

|                                    |                                  |
|------------------------------------|----------------------------------|
| Current mode, nominal range        | 0...10, 20 mAac                  |
| Displaced output                   | 0,2...2 V / 2...10 V / 4...20 mA |
| Voltage mode: nominal output range | 0...5, 10 Vac                    |

### Measurement accuracy

|                           |          |
|---------------------------|----------|
| Phase current measurement | 0,5 % FS |
|---------------------------|----------|

### CW

Active power transducer

| CODE   | TYPE       | Output type | Analog output | System                                | Paramètre |
|--|------------|-------------|---------------|---------------------------------------|-----------|
| <b>Active power. Auxiliary supply 230 V, 40...90 Hz, Accuracy: ± 0,5 % reading</b> |            |             |               |                                       |           |
| M25212.  | CW-M Out2  | 2           | 4...20mA      | Single-phase                          | kW        |
| M25232.  | CW-TA Out2 | 2           | 4...20mA      | Unbalanced three-phase ARON (3 wires) | kW        |

Indicate: Zero value, fullscale, type of output, Un (between phases), In and fn.

For other values, see coding table on following pages

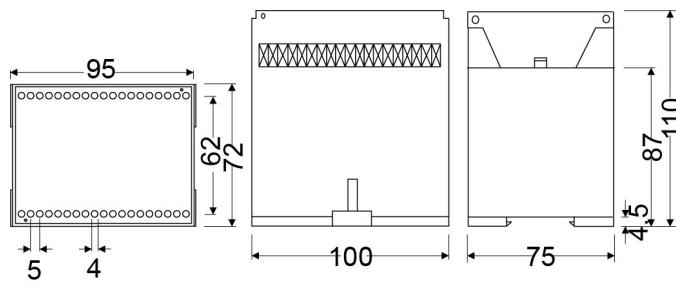
## CW-TA Out1,3



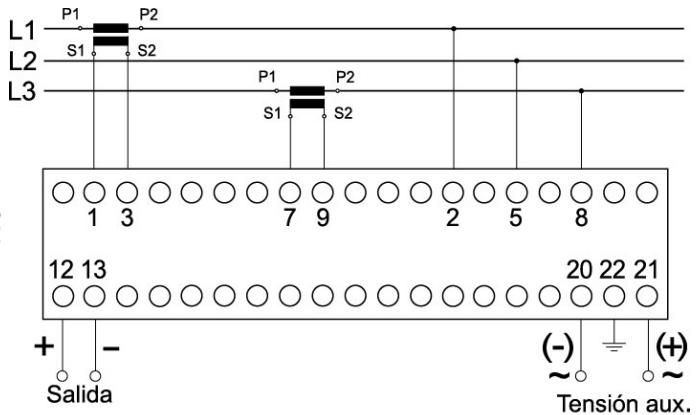
Active power transducer

Code: M25231.

### Dimensions



### Connections



CW-TA