



CW-TA Out1,3, Transducer kW

Code: M25231.

> Output type: 1, 3

> Analog output: 0...20mA

> System: Unbalanaced 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.







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	4090 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	0150 % In
Allowable overload	300 % In permanent
Voltage measurement circuit	
Input impedance	3000 Ω/V
Frequency measuring range	4565 Hz
Voltage measuring range	0150 % Vn
Nominal voltage	0660 Vca
Maximum permanent measurement voltage	1000 V







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#### 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 (099 % Vn)
Analogue outputs	
Current mode, nominal range	010, 20 mAac
Displaced output	0,22 V / 210 V / 420 mA
Voltage mode: nominal output range	05, 10 Vac
Measurement accuracy	
Phase current measurement	0,5 % FS

#### CW

Active power transducer

CODE	TYPE	Output type	Analog output	System	Paramètre
Active power	er. Auxiliary supply 230	V, 4090 Hz, Accur	acy: ± 0,5 % reading		
M25212.	CW-M Out2	2	420mA	Single-phase	kW
M25231.	CW-TA Out1,3	1, 3	020mA	Unbalanaced three-phase ARON (3 wires)	kW
M25232.	CW-TA Out2	2	420mA	Unbalanaced 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





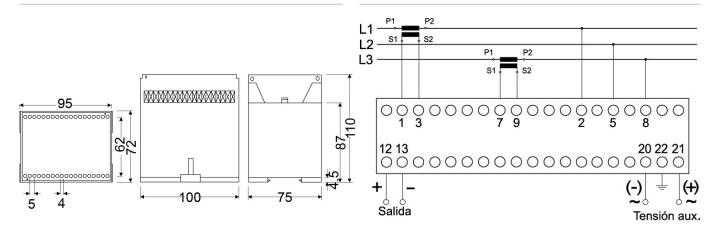


Active power transducer

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#### Dimensions

#### Connections



CW-TA

