

CW-TE Out1,3

CW-TE Out1,3, Transducer kW

Code: M25221.

- > Output type: 1, 3
- > Analog output: 0...20mA
- > System: Balanced three-phase
- > 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.

Circutor

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CW-TE Out1,3

Active power transducer

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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 powe	r. Auxiliary supply 230 V	, 4090 Hz, Accura	cy: ± 0,5 % reading		
M25212.	CW-M Out2	2	420mA	Single-phase	kW
M25221.	CW-TE Out1,3	1, 3	020mA	Balanced three-phase	kW
M25222.	CW-TE Out2	2	420mA	Balanced three-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
M25241.	CW-TAN Out1,3	1, 3	020mA	Unbalanaced three-phase (4 wires)	kW

Indicate: Zero value, fullscale, type of output, Un (between phases), In and fn. For other values, see coding table on following pages



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Dimensions

Connections

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