

Current Transducers



AC Current Average Sensing - Auxiliary Powered

Single or three-phase models offering current measurement down to zero input. Average sensing and calibrated to indicate the RMS value of a sine wave with up to 1% distortion. Input, output and auxiliary are isolated.

Model	Accuracy	Function	Connection diagram
253-TAL	Class 0.5	AC current average sensing, 75mm(3") case	6
256-TAL	Class 0.5	AC current average sensing, 3-phase 3 DC outputs, 150mm(6") case	2
252-XAL	Class 0.2	AC current average sensing, 50mm(2") case	6

Specifications

Input:	1A, 5A or 10A AC
Output:	0/1mA, 0/5mA, 0/10mA, 0/20mA or 4/20mA DC 0/1V, 0/5V or 0/10V DC
Current:	1 or 5A AC
Frequency:	50Hz, 60Hz
Auxiliary*:	100-480V AC 12V, 24V, 48V, 110V or 125V DC

*Max AC Aux on 256-TAL is 300V



AC Current Average Sensing - Self Powered

Average sensing and calibrated to indicate the RMS value of a sine wave with less than 1% distortion. Internal power is derived from the input signal and will maintain accuracy to 20% of full scale or less. Input and output are isolated.

Model	Accuracy	Function	Connection diagram
253-TAA	Class 0.5	AC current average sensing, 75mm(3") case	1
252-XAA	Class 0.2	AC current average sensing, 50mm(2") case	1

Specifications

Input:	1A, 5A or 10A AC
Output:	0/1mA, 0/5mA, 0/10mA or 0/20mA DC 0/1V, 0/5V or 0/10V DC
Current:	1 or 5A AC
Frequency:	50Hz, 60Hz



True RMS Current - Auxiliary Powered

Single or three-phase models offering current measurement down to zero input. True RMS measurement of the input current, measuring non standard and distorted waveforms. Calibrated for sine waves with up to 30% of 3rd harmonic distortion. Isolation is provided between input, output and auxiliary.

Model	Accuracy	Function	Connection diagram
253-TAR	Class 0.5	AC current RMS sensing, 75mm(3") case	6
256-TAR	Class 0.5	AC current RMS sensing, 3-phase, 3 DC outputs, 150mm(6") case	2
252-XAR	Class 0.2	AC current RMS sensing, 50mm(2") case	6
256-XAR	Class 0.2	AC current RMS sensing, 3-phase, 3 DC outputs, 150mm(6") case	2

Specifications

Input:	1A, 5A or 10A AC
Output:	0/1mA, 0/5mA, 0/10mA, 0/20mA or 4/20mA DC 0/1V, 0/5V or 0/10V DC
Current:	1 or 5A AC
Frequency:	50Hz, 60Hz
Auxiliary*:	100-480V AC 12V, 24V, 48V, 110V or 125V DC

*Max AC Aux on 256-TAR is 300V