



4pplications

Automation Systems

Analog current reading for remote monitoring and software alarms.

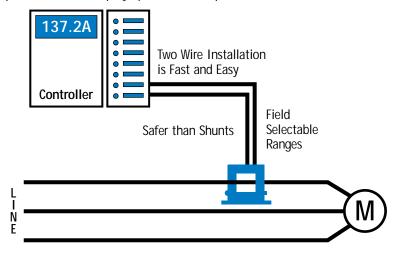
Data Loggers

Self-powered transducer does not drain data logger batteries.

0-5/10VDC or 4-20mA Output

Panel Meters

Simple connection displays power consumption.



outputs. The AT Series is designed for application on 'linear' or sinusoidal AC loads. Available in a split core case or

4-20mA, 0-5VDC or 0-10VDC

two types of solid core cases.

Teatures

Accurate

Factory matched and calibrated single piece transducer is more accurate than traditional two-piece field installed solutions.

Average Responding

"Average Responding" algorithm gives a RMS output on pure sine waves. Perfect for constant speed (linear) loads.

Jumper Selectable Ranges

- Reduces inventory.
- Eliminates zero and span pots.

Isolation

- Output is magnetically isolated from the input for safety.
- Eliminates insertion loss (voltage drop).

UL, CUL and CE Approval Accepted worldwide.

nput Ranges				MAXIMUM	
el Range	Contin	luous	6 Sec.	1 Sec.	
) 2A	80A		60A	100A	
5A	100A		124A	250A	
10A	80A		125A	250A	
20A	110A		150A	300A	
50A	175A		215A	400A	
2 100A	200A		300A	600A	
150A	300A		450A	800A	
200A	400A		500A	1,000A	
	el Range 2 2A 5A 10A 20A 50A 2 100A 150A	el Range Contin 2 2 80A 5 4 100A 10A 80A 20A 110A 50A 175A 2 100A 200A 150A 300A	el Range Continuous 2 A 80A 5 A 100A 10A 80A 20A 110A 50A 175A 2 100A 200A 150A 300A	el Range Continuous 6 Sec. 2 A 80A 60A 5 A 100A 124A 10A 80A 125A 20A 110A 150A 50A 175A 215A 2 100A 200A 300A 150A 300A 450A	

AC Current Transducers 0-5/10VDC or 4-20mA Output

Know your power...

because with knowledge comes control.

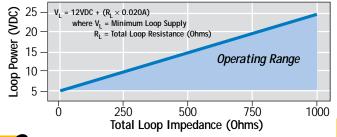
Specifications

Pooriioat		13				
-		-005 Models	-010 Models	-420 Models		
Output Signal		0-5VDC	0-10VDC	4-20mA		
Output Limit		10VDC	15VDC	40mA		
Accuracy		1.0% FS	1.0% FS	0.5% FS		
Response Time (10–90% step change	je)	100mS	100mS	300mS		
Frequency Range		50-60Hz	50-60Hz	20-100Hz*		
Other Frequencies	Special calibration available for any frequency from 10–400Hz*					
Power Supply		Self-powered	Self-powered	12–40VDC, Loop-powered		
Loading		$1m\Omega$ minimum for rated accuracy 100 K Ω add 1.3 % error		See "Power Supply" below		
Isolation Voltage	UL	listed to 1,270VAC, tested to 5KV				
Input Ranges	Field Selectable Ranges from 0–200A (see Ordering Information). Custom ranges available, consult factory.					
Sensing Aperture	 -FF Case: 0.55" (14mm) dia. -FT Case: 0.75" (19mm) dia. -SP Case: 0.85" (21.5mm) sq. 					
Case	UL	UL 94V-0 flammability rated				
Environmental	-4 to 122°F (-20 to 50°C), 0-95% RH, non-condensing					
Listings	UL	UL 508 Industrial Control Equipment (USA & Canada), CE				

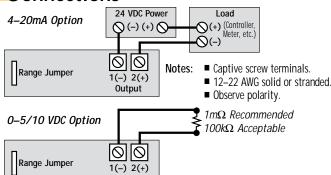
^{*}For sinusoidal waveforms only. Select ATR Transducers for distorted waveforms.

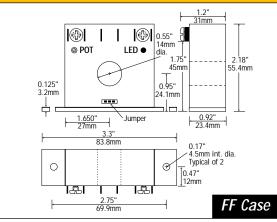


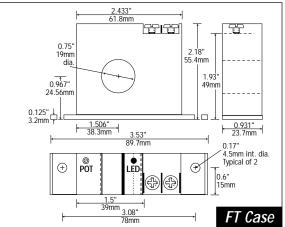
Power Supply (4–20mA output only)

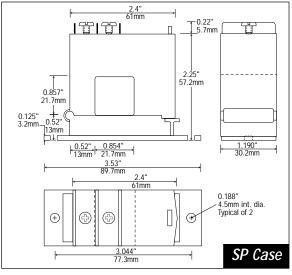


Connections





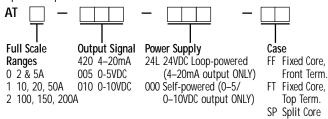




Urdering Information

Example: AT1-005-000-SP

AC current transducer, 10/20/50A range, self-powered with a 0-5VDC output in a split core case.



AC Current Transducers 0-5/10VDC or 4-20mA Output