



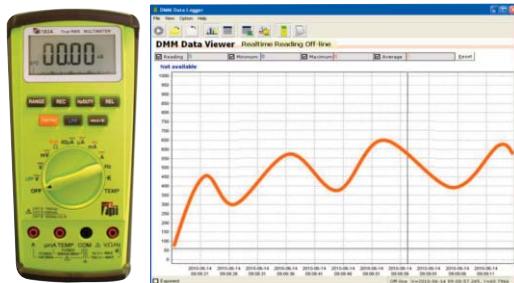
183aC3 HVAC DMM/Clamp Meter Kit

Use the 183aC3 to

- Troubleshoot ECMS and VFDs. Test Flame Sensors.
- Check Capacitors. Measure Temperature Rise.

USA List Price
\$246.⁹⁵

Optional A108 Data Logging Software and interface cable



Actual Screen shot of the software. Meter view actually puts the multimeter right on your screen



183aC3 Includes: 183a True RMS DMM, 265 Clamp-On Tester, A106 Adapter, GK13M General purpose probe, A085 test lead alligator clips, A040 test lead and A901CP Soft padded case

183a True RMS DMM with capacitance, low-pass filter, duty cycle, and temperature

- True RMS for more accuracy
- Duty cycle (% pulse width modulation) for measuring modulating gas valves
- Measure temperature using the included K-type thermocouple probe
- Low pass filter for noisy environments
- Separate fuse and battery compartment
- Measure temperature rise (differential) using relative mode:
 1. Touch the temperature probe to the test point and press REL. This stores the temperature as T1.
 2. Touch the temperature probe to the second test point T2. 183a displays the difference between T1 and T2.
- IR serial interface to use optional A108 data logging software with interface cable



265 Clamp-On Tester with Frequency and Capacitance

- Slim jaw and body design for use in crowded electrical panels
- Measure flame safety control current.
- Test run and start capacitors
- Measure motor run current
- Determine thermocouple voltage
- Test line and control voltages
- Measure heating element resistance





Protective Boot



Separate Fuse Compartment



Separate Battery Compartment

Tilt Stand

The above information is provided to the best of TPI knowledge and is not guaranteed. The above information is subject to change without notice.

- True RMS DMM
- Duty cycle (% pulse width modulation) for measuring modulating gas valves
- Low pass filter for noisy environments
- Separate fuse (2) and battery compartment
- IR serial interface that can be used to input data to PC with optional A183
- High resolution (0.01) low DC microamp range for measuring flame safety control circuit
- Frequency, capacitance, temperature, data hold, min/max record, relative mode
- AC/DC volts, AC/DC amps, resistance, audible continuity and diode test

	TPI Model Number	Fluke Model Number
	265	322
Range Selection		
Auto / Manual	•	
Auto		•
Display Specifications		
4000 Count	•	•
Basic Features		
AC Volts	•	•
DC Volts	•	•
AC Amps	•	•
Resistance	•	•
Diode Test	•	
Audible Continuity	•	•
Additional Features		
Frequency	•	
Capacitance	•	
Data Hold	•	•
Sleep Mode / Auto Off	•	•
Slim Jaw Design	•	

	TPI Model Number	Fluke Model Number
	265	322
Range & Resolution		
Basic DC Accuracy	0.5%	1%
DC Voltage (maximum)	600V	600V
Resolution (maximum)	0.1mV	0.1V
AC Voltage (maximum)	600V	600V
Resolution (maximum)	0.1mV	0.1V
AC Amps (maximum)	400A	400A
Resolution (maximum)	0.01A	0.01A
Resistance (maximum)	40MΩ	400Ω
Resolution (maximum)	0.1Ω	0.1Ω
Frequency (maximum)	400MHz	
Resolution (maximum)	0.001kHz	
Capacitance (maximum)	40000μF	
Resolution (maximum)	0.001nF	
Agency Approval		
CE IEC 1010	CAT III 600V (Meter) CAT III 600V /400A (Jaw)	CAT III 600V (Meter) CAT III 600V /400A (Jaw)
cULus	61010-1	61010-1
Warranty		
	3 Years	2 Years

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Applications

- Test start and run capacitors
- Measure motor run current
- Measure heat anticipator current
- Determine thermocouple voltage

TPI 183A & Cross to Fluke 116

	TPI Part # 183A	Fluke Part # 116	TPI Part # 183A	Fluke Part # 116
Range Selection			Range & Resolution	
Auto / Manual	•	•	Basic DC Accuracy	0.5% 0.5%
Display Specifications			DC Voltage (maximum)	1000V 600V
4000 Count Display	•		Input Impedance	10MΩ 10MΩ
6000 Count Dual Display		•	Resolution (maximum)	0.01mV 0.1mV
Analog Bar Graph	•	•	AC Voltage (maximum)	750V 600V
Backlight	•	•	Input Impedance	10MΩ 10MΩ
Basic Functions			Resolution (maximum)	0.01mV 0.1mV
AC / DC Volts, AC / DC Amps			DC Amps (maximum)	10A 600μA
Resistance, Diode Test	•	•	Resolution (maximum)	0.01μA 0.1μA
Audible Continuity			AC Amps (maximum)	10A 600μA
Additional Functions			Resolution (maximum)	0.1μA 0.1μA
True RMS, Frequency, Capacitance, Temperature	•	•	Resistance (maximum)	40MΩ 40MΩ
Duty Cycle	•		Resolution (maximum)	0.1Ω 0.1Ω
Data Hold	•	•	Frequency (maximum)	10MHz 50kHz
Min / Max Record	•	•	Resolution (maximum)	0.01Hz 0.01Hz
Relative Mode			Temperature (maximum)	2372°F 752°F
Active Low Pass Filter Function	•		Resolution (maximum)	0.1°F 0.2°F
PC Output			Capacitance (maximum)	4000μF 9999μF
Sleep Mode / Auto Off	•	•	Resolution (maximum)	0.01nF 0.01μF
Additional Features			Duty Cycle	0.1 to 99.9%
Frequency Check in Volt Mode	•	•	Agency Approval	
Closed Case Calibration	•	•	CE IEC 1010	CAT II 1000V / CAT III 600V /
Separate Fuse / Battery Access	•	•	cULus 61010	CAT III 600V / CAT III 600V
Overmolded Case		•		
Protective Boot	•			

TPI offers a full line of digital clamp-on meters for electrical, commercial, HVAC/R, industrial and process control applications



- Slim jaw and body design for use in crowded electrical panels
- Capacitance up to 4,000 micro-farads
- Frequency
- Up to 400 AC amps with 0.01 resolution
- AC/DC volts up to 600
- 0.1 DC millivolt resolution
- Diode, resistance and audible continuity
- CAT III 600V rated
- cULus 61010
- 3-year limited warranty

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- Test line and control voltages
- Measure heating element resistance
- Measure and adjust variable frequency drives