



# 3 convenient kits for quick checks and testing

## Test & Check Professional Kit

TACK30



### Includes

- **DL479 TRMS HVAC/R Clamp Meter**
  - 600A AC / 750V AC, 600V DC
  - Resistance 60MΩ
  - Capacitance 2000μF
  - Temperature -13° to 752°F (-25° to 400°C)
  - DC micro amps 2000μA
- **CD100A Combustible Leak Detector**
  - Senses leading combustible, noncombustible and toxic gases
  - Minimum detection 50 ppm methane
- **EM201B High Resolution Dual Input Manometer**
  - Range of -60 to +60 inH2O
  - Differential pressure
- **PDT550 Digital NSF Waterproof Thermometer**
  - Temperature range: -58° to 572°F (-50° to 300°C)
- **ATTPC3 Pipe Clamp Adapter**
- **ATT70 K-type to Input Jack Adapter**
- **AC73 Carrying Case**
  - Shoulder strap and pockets for documents and accessories.

## Test & Check Advanced Kit

TACK20



### Includes

- DL479 TRMS HVAC/R Clamp Meter
- CD100A Combustible Leak Detector
- EM152 Dual Input Manometer
- PDT550 Digital NSF Waterproof Thermometer
- ATTPC3 Pipe Clamp Adapter
- ATT70 K-type to Input Jack Adapter
- AC73 Carrying Case

## Test & Check Kit

TACK10



### Includes

- DL469 TRMS Clamp Meter
- CD100A Combustible Leak Detector
- EM152 Dual Input Manometer
- PDT550 Digital NSF Waterproof Thermometer
- AC73 Carrying Case

## TACK Kits - Plumbing

### A. Clamp Pipe Adapter Uses

For commercial application - Being able to tell the temperature of water inside a pipe. Checking/verifying the reading on a mechanical temperature gauge to see if it's accurate. Also checking temperatures in pipes in general.

### B. Combustible Leak Detector Uses

New install checking gas connections, repair work and finding gas leaks

### C. Manometer Uses

With gas Water Heaters. The first question asked when calling service is what is static pressure (Pressure while not running). Second is dynamic pressure (pressure while operating). If static is to low, it's a problem. If difference between static and dynamic is to great of a water column/water gauge pressure drop. That is also a problem.

### D. Clamp Meter Uses

Checking line voltage (garbage disposal, Tankless water heater, dishwashers (Do I have 110 or 220V power)

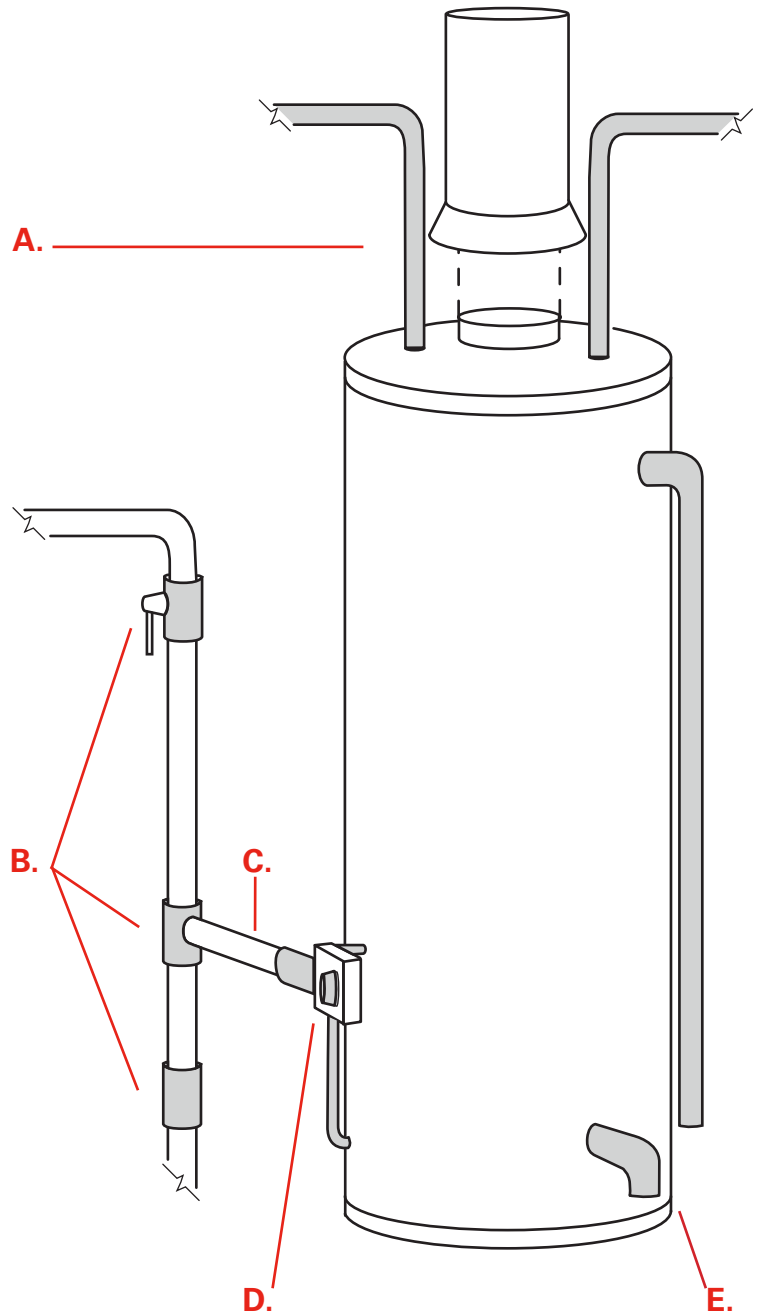
Checking low voltage (gas valve, any type milliampmicroamp application)

Checking continuity (A prover switch on a commercial Water Heaters. High limit switch on a

Tankless water heater, fusible link on a Tankless water heater, is a circuit open or closed)

### E. Thermometer Uses

Water proof. When setting a mixing valve. You go to the closest hot water outlet. Put the thermometer in the water stream and set the mixing valve correctly. Probably 120 degrees. Same thing when setting shower valves. Water proof because you put in water stream. Any general use where water temperature needs to be measured.



# Test and Check Kit

## TACK10/ TACK20/ TACK30



### DL479

#### AC Amps - Jaw Input

Range	Resolution	Accuracy	Overload Protection
60A	0.01A	±(2.0% +8 dgts)	600V RMS
600A	0.1A		

True RMS Frequency range: Sine 50Hz to 400Hz  
 Frequency width: 60Hz to 400Hz: 5% to 95%  
 Frequency width: 400Hz to 4kHz: 15% to 85%

#### AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	±(1.0% +3 dgts)	1000V RMS
6V	1mV		
60V	10mV		
600V	100mV		
750V	1.0V		

True RMS Frequency range: Sine 50Hz to 400Hz, Sine 50Hz to 400Hz  
 Bandwidth: Sine = 0.5% error at 1.5kHz (max)  
 Bandwidth: Square = 0.5% error at 0.1kHz (max)  
 Bandwidth: Triangle = 0.5% error at 1.2kHz (max)

#### DC Volts

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	±(0.5% +4 dgts)	1000V RMS
6V	1mV		
60V	10mV		
600V	100mV		

#### DC Low Amps

Range	Resolution	Accuracy	Overload Protection
600µA	0.1µA	±(1.2% +3 dgts)	2000µA/600V RMS
2000µA	1.0µA		

#### Resistance

Range	Resolution	Accuracy	Overload Protection
600Ω	0.1Ω	±(0.8% +3 dgts)	600V RMS
6kΩ	1Ω		
60kΩ	10Ω		
600kΩ	100Ω		
6MΩ	0.001MΩ		
60MΩ	0.01MΩ	±(1.2% +3 dgts)	

#### Frequency

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	±(0.1% per+3 dgts)	600V RMS
999.9Hz	0.1Hz		
9.999kHz	0.001kHz		

#### Duty Cycle

Range	Resolution	Accuracy	Overload Protection
0.5% to 95%	0.1%	±(0.2% per kHz +2.0% +2 dgts)	600V RMS
60Hz to 400Hz			
15% to 85%			
400Hz to 2kHz			

Sensitivity > 6Vpp RMS

#### Diode Test

Range	Open Circuit V	Test Current	Overload Protection
4.0V	<3.0V DC	1.30mA	600V RMS

#### Capacitance

Range	Resolution	Accuracy	Overload Protection
60nF	0.01nF	±(3.0% +5 dgts)	600V RMS
600nF	0.1nF		
6.000µF	0.001µF		
60.00µF	0.01µF		
600.0µF	0.1µF		
2000µF	1µF		

#### Continuity

Open Circuit V	Response Time	Overload Protection
<1.0V	<50ms	1000V

#### Temperature

Range	Resolution	Accuracy	Overload Protection
-31° to 752°F	0.1°F	±(1.5% +3.6°F)	600V RMS
-35° to 400°C	0.1°C	±(1.5% +2.0°C)	

Stated accuracy does not account for thermocouple accuracy  
 Sensitivity >2Vpp RMS

#### Non-Contact Voltage

On Voltage
Approx. 25V AC

### DL469

#### AC Amps - Jaw Input

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	±(3.0% +10 dgts)	600V RMS
400A	0.1A	±(2.5% +10 dgts)	

True RMS Frequency range: Sine 50Hz to 400Hz  
 Frequency width: 60Hz to 400Hz: 5% to 95%, Frequency width: 400Hz to 4kHz: 15% to 85%

#### AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	±(1.0% +8 dgts)	1000V RMS
4V	1mV		
40V	10mV		
400V	100mV		
750V	1V		

True RMS Frequency range: Sine 50Hz to 400Hz, Square 50Hz to 170Hz, Sine 50Hz to 400Hz  
 Bandwidth: Sine = 0.5% error at 1.5kHz (max)  
 Bandwidth: Square = 0.5% error at 0.1kHz (max)  
 Bandwidth: Triangle = 0.5% error at 1.2kHz (max)

#### DC Volts

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	±(0.8% +5 dgts)	1000V RMS
4V	1mV		
40V	10mV		
400V	100mV		
600V	1V		

#### DC Low Amps

Range	Resolution	Accuracy	Overload Protection
400µA	0.1µA	±(1.2% +3 dgts)	2000µA/600V RMS
2000µA	1µA		

#### Resistance

Range	Resolution	Accuracy	Overload Protection	
400Ω	0.1Ω	±(1.0% +5 dgts)	600V RMS	
4kΩ	1Ω			
40kΩ	10Ω			
400kΩ	100Ω			
4MΩ	0.001MΩ			
40MΩ	0.01MΩ			±(1.5% +5 dgts)

#### Diode Test

Range	Open Circuit	Test Current	Overload Protection
4.0V	<3.0V DC	1.30mA	600V RMS

#### Continuity

Open Circuit	Response Time	Overload Protection
<1.0V	<50ms	600V RMS

#### Non-Contact Voltage

On Voltage
Approx. 25V AC

# Test and Check Kit TACK10/ TACK20/ TACK30



## CD100A

Sensitivity	50 ppm
Tic adjustment	Fully adjustable thumbwheel
Tic indication	Flashing LED
Battery	9 volt alkaline, 5 hours typical use
Sensor	Solid state semiconductor
Dimensions	8" x 4" x 1-1/2"
Weight	15 oz.

## EM201B

Measurement range:	-60" to +60" Water column -100 to +100 mBar
Accuracy:	±0.02" WG < 2" wc ±1% RDG > 2" wc
Resolution:	0.001" -9.999" to +9.999" wc 0.01" for < -10" or > +10" wc
Operating range:	32 ° -104 °F (0 ° - 40 °C), 10 - 90% RH Non-condensing
Battery Life:	40 hours min with alkaline battery

### Pressure Conversions

Multiply	BY	To Get
In. of H2O	1.868	mmHG
In. of H2O	0.074	In HG
In. of H2O	0.249	kPa
In. of H2O	249.1	Pascals
In. of H2O	2.491	mBar
In. of H2O	0.036	PSI
In. of H2O	25.4	mmH2O

## PDT550

Temperature Range	-58° to 572°F (-50 to +300°C)
Accuracy	+/- 1.8°F or +/- 1°C in the range of -22 to 302°F/ -30 to 150°C otherwise +/-4°F or +/-2°C
Resolution	0.1° to 19.9° ~ +199.9° otherwise 1°
Update Rate	Approximately 1 second
Auto Power Off	Approximately 1 hour
Certification	CE and NSF listed
Battery	UEi # AB13 (SR44W)

## Downloads



**Data Sheet**



**Sell Sheet**



**TACK10**



**TACK20**



**TACK30**