

UEI
TEST INSTRUMENTS™

50TH
ANNIVERSARY

Product Brochure



TEST | MEASURE | ANALYZE

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Part #	DL489	DL429
True RMS	•	•
AC volts	600mV to 750V	600mV to 750V
DC volts	600mV to 1000V	600mV to 1000V
AC current (amps)	60A to 600A	60A to 600A
DC current (amps)	60A to 600A	
DC low amps	600μA to 2000μA	600μA to 2000μA
Resistance (Ohms)	600A to 60MΩ	600Ω to 60MΩ
Duty cycle	•	•
Capacitance (Farads)	10nF to 2000μF	60nF to 2000μF
Frequency (Hertz)	99.99Hz to 99.99kHz	99.99Hz to 99.99kHz
Temperature	-328° to 2462°F (-200° to 1350°C)	-22° to 752°F (-30° to 400°C)
Continuity	•	•
Diode	•	•
NCV (LED & Audible)	•	•
Min	•	•
Max	•	•
Hold	•	•
Ranging	Auto/Man	Auto/Man
Display count	6,000	6,000
Clamp work light	•	•
Low battery indicator	•	•
Auto power off	•	•
Backlight	•	•
Magnetic mount	•	•
Dual display	•	•
Detachable clamp head	•	•
Temperature differential	•	•
LRA inrush	•	•
Safety	CATIII 600V	CATIII 600V
Wireless to app		•
iOS® and Android™ compatible app		•
Warranty	2-Year limited	2-Year limited

CLAMP METERS

50TH
ANNIVERSARY



DL489 Commemorative Edition True RMS Digital Clamp-On Meter

- Silicon test leads 2 (ATL57)
- K-Type temperature probe 2 (ATT29)
- Zippered pouch
- Batteries 6 (AAA)
- Manual (17398)



RoHS
Compliant



DL429 True RMS Wireless HVAC Clamp-On Meter w/ ΔT

- Free App for iOS® and Android™ (UEi wireless)
- Silicon test leads 2 (ATL57)
- Alligator clips 2 (AAC)
- Batteries 6 (AAA)
- Thermocouples 2 (ATT29)
- Zippered pouch
- Manual (10097)



RoHS
Compliant



Part #	DL220	DL469	DL479
True RMS		•	•
Jaw type	Sliding*	Clamp	Clamp
AC volts	1V to 600V	400mV to 750V	600mV to 750V
DC volts	1V to 600V	400mV to 600V	600mV to 600V
AC current (amps)	1V to 200A	40A to 400A	60A to 600A
DC low amps		400μA to 2000μA	600μA to 2000μA
Resistance (Ohms)	1V to 2000Ω	400Ω to 40MΩ	600Ω to 60MΩ
Continuity	•	•	•
Diode		•	•
NCV (LED & Audible)		•	•
Min		•	•
Max		•	•
Hold	•	•	•
Ranging	Auto	Auto/Man	Auto/Man
Display count	2,000	4,000	6,000
Clamp work light	•	•	•
Low battery indicator	•	•	•
Auto power off		•	•
Duty cycle			•
Capacitance (Farads)			60nF to 2000μF
Frequency (Hertz)			99.99Hz to 9.999kHz
Temperature			-31° to 752°F (-35° to 400°C)
Backlight	•		•
Magnetic mount			•
LRA inrush	•		
Safety	CATIV 600V	CATIII 1000V	CATIV 600V/ CATIII 1000V
Warranty	2-Year limited	2-Year Limited	2-Year limited

*Patent Pending

CLAMP METERS



DL479 AC 600A True RMS HVAC/R Clamp-On Meter

- Test leads (ATL55)
- Thermocouple temperature probe (ATT71)
- Zippered pouch
- Batteries 2 (AAA)
- Manual (17211)



RoHS
Compliant

600V
CAT IV

1000V
CAT III



DL469 AC 400A True RMS Clamp-On Meter

- Test leads (ATL55)
- Zippered pouch
- Batteries 2 (AAA)
- Manual (17207)



1000V
CAT III



DL220 CATIV Clamp-On Meter and Voltage Tester

- Batteries 2 (AAA)
- Zippered pouch
- Manual (17254)



RoHS
Compliant

600V
CAT IV



DL489COMBO True RMS Clamp-On Meter w/ Pipe Clamp Probe

- Pipe clamp adapter 2 (ATTPC3)
- Silicon test leads (ATL57)
- K-Type temperature probe 2 (ATT29)
- Batteries 6 (AAA)
- Zippered pouch
- Manual (17398)



RoHS
Compliant

600V	1000V
CAT III	CAT II



DL479COMBO True RMS Clamp-On Meter w/ Pipe Clamp Probe

- Pipe clamp adapter (ATTPC3)
- Test leads (ATL55)
- Thermocouple temperature probe (ATL71)
- Zippered pouch
- Batteries 2 (AAA)
- K-Type temperature probe adapter (ATT70)
- Manual (17211)



RoHS
Compliant

600V	1000V
CAT IV	CAT III



HVACKIT Clamp-On Meter Kit

- Digital clamp-on meter (DL479)
- Infrared thermometer (INF165C)
- Non-contact voltage detector (NCV3)
- Pipe clamp adapter (ATTPC3)
- Batteries
- K-Type temperature probe adapter (ATT70)
- Soft carrying case (AC73)
- Manuals (17211)



TACK30 Test and Check Professional Kit

- AC 600A True RMS clamp-on meter (DL479)
- Combustible gas leak detector (CD100A)
- Hi-Res dual differential digital manometer (EM201B)
- Digital pocket thermometer (PDT550)
- Soft carrying case (AC73)
- Temperature pipe clamp adapter (ATTPC3)
- Temperature input jack adapter (ATT70)
- Batteries
- Manuals



TACK20 Test and Check Advanced Kit

- AC 600A True RMS clamp-on meter (DL479)
- Combustible gas leak detector (CD100A)
- Dual differential digital manometer (EM152)
- Digital pocket thermometer (PDT550)
- Soft carrying case (AC73)
- Temperature pipe clamp adapter (ATTPC3)
- Temperature input jack adapter (ATT70)
- Batteries
- Manuals



TACK10 Test and Check Kit

- AC 400A True RMS clamp-on meter (DL469)
- Combustible gas leak detector (CD100A)
- Dual differential digital manometer (EM152)
- Digital pocket thermometer (PDT550)
- Soft carrying case (AC73)
- Batteries
- Manuals



INF165C 12:1 Infrared Thermometer

- Batteries 2 (AAA)
- Pouch
- Manual (17300)



INF195C 12:1 Infrared Thermometer w/ K-Type Input

- K-Type thermocouple
- Batteries 2 (AAA)
- Pouch
- Manual (17303)



Part #	INF165C	INF195C
Laser	Circular	Circular
Distance-to-spot ratio	12:1	12:1
Emissivity	0.95	0.30, 0.70, 0.95
Temperature range	-76° to 1022°F (-60° to 550°C)	-76° to 1022°F (-60° to 550°C)
Max value capture	•	•
Auto power off	•	•
Hi/Lo alarm		•
Backlit display		•
K-Type thermocouple input		•
Warranty	1-Year limited	1-Year Limited

TEMPERATURE TESTERS



PDT650 Digital Folding Pocket Thermometer

- Battery (AB13)



PDT550 Digital Pocket Thermometer

- Battery (AB13)



550B Digital Pocket Thermometer

- Battery (AB13)



Part #	550B	PDT550	PDT650
Temperature	-58° to 572°F (-50° to 300°C)	-58° to 572°F (-50° to 300°C)	-58° to 572°F (-50° to 300°C)
Waterproof	•	•	
Min/Max	•	•	•
Hold	•	•	
Built-in magnet	Mount	•	•
Auto power off	•		•
NSF listed	•	•	
Protective sleeve/cover	•	•	
Colors available	Black	Red, Green, Yellow, Blue, Black	Yellow
Folding			•
Warranty	3-Year limited	3-Year Limited	3-Year limited



DAFM4 Digital In-Duct Mini Vane Anemometer

- 0.7" diameter vane with 39" telescopic and scale marked probe
- Battery (9V)
- Hard carrying case
- Manual (17022)



DAFM3B Digital Anemometer

- Battery (9V)
- Hard carrying case
- Manual (17132)



Part #	DAFM3B	DAFM4
Measures: air velocity, temperature, humidity	•	•
Calculates: wet bulb, dew point, air volume	•	•
Air velocity	99 to 3937 ft/min (0.5 to 20 m/s)	99 to 3937 ft/min (0.5 to 20 m/s)
Temperature	-4° to 140°F (-20° to 60°C)	-4° to 140°F (-20° to 60°C)
RH	0.1 to 99.9%	0.1 to 99.9%
Auto power off	•	Selectable
In-duct measurement		•
Warranty	1-Year limited	1-Year Limited



COA1 Carbon Monoxide Detector Adapter

- Free App for iOS® and Android™ (COChecker)
- Battery (CR2450)
- Manual (17429)



C071A Long Life Ambient CO Detector

- CO Detector (C071A)
- Holster w/ belt clip
- Battery (9V)
- Manual (17086)

Part #	C071A	COA1
Max CO level	999 ppm	999 ppm
Accuracy	<100ppm ± 3ppm >101ppm ± 5rdg	<100ppm ± 3ppm >101ppm ± 5rdg
Resolution	1 ppm	1 ppm
iOS® an Android™ compatible		•
Audible alert	•	
3 level warning	•	•
Logging		•
Warranty	3-Year limited	1-Year Limited

Part #	C85	C155	C157	C255	C257
Max CO Level	2,000 ppm	4,000 ppm	4,000 ppm	10,000 ppm	10,000 ppm
Flue temperature Max	1112°F	2500°F	2500°F	2500°F	2500°F
Pre-programmed fuels	5	5	5	8	8
User defined fuels				2	2
CO2	•	•	•	•	•
O2	Calculated	Calculated	Calculated	Calculated	Calculated
CO	•	•	•	•	•
Temperature	•	Differential	Differential	Differential	Differential
Pressure		Differential	Differential	Differential	Differential
Ambient CO		•	•	•	•
CO (hi range)				•	•
NO		Option	•	Option	•
NOX			•		•
Heat exchanger integrity test		•	•	•	•





C85 EOS Long Life Combustion Analyzer

- Combustion analyzer (C85)
- 12" Flue probe w/ 10' hose (KMCP2)
- Soft carrying case (17391)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual (17093)



C85KIT EOS Long Life Combustion Analyzer Kit

- Combustion analyzer (C85)
- Infrared thermal printer (IRP-2)
- 12" Flue probe w/ 10' hose (KMCP2)
- Soft carrying case (17391)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual (17093)
- AC adapter (AACA4)
- Thermal printer paper roll (16646)





C155 / C157

Analyzer

- Combustion Analyzer (C155/C157)
- 12" Flue probe w/ 10' hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual (18323)



C155KIT / C157KIT

Combustion Kit

- Combustion Analyzer (C155/C157)
- Infrared thermal printer (IRP-2)
- 12" Flue probe w/ 10' hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- AC adapter (AACA4)
- Thermal printer paper roll (16646)
- K-Type temperature probes 2 (ATT29)
- Eagle tubing (11000)
- Training DVD (L328)
- Manual (18323)



C155OILKIT / C157OILKIT

Oil Service Kit

- Combustion Analyzer (C155/C157)
- Infrared thermal printer (IRP-2)
- 12" Flue probe w/ 10' hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- AC adapter (AACA4)
- Thermal printer paper roll (16646)
- K-Type temperature probes 2 (ATT29)
- Eagle tubing (11000)
- Training DVD (L328)
- Smoke pump tester (SPT1)
- Manual (18323)



EOS INDUSTRIAL COMBUSTION



C255 / C257

Analyzer

- Combustion Analyzer (C255/C257)
- 12" Flue Probe w/ 10' hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- Manual (17092)



C255KIT / C257KIT

Combustion Kit

- Combustion Analyzer (C255/C257)
- Infrared thermal printer (IRP-2)
- 12" Flue probe w/ 10' hose (KMCP2)
- Hard carrying case (AC509)
- Inlet tube/ probe connector (SM11103)
- Particle filter (17631)
- AC adapter (AACA4)
- Thermal printer paper roll (16646)
- K-Type temperature probes 2 (ATT29)
- Eagle tubing (11000)
- Manual (17092)



Part #	EM152	EM201B	DPA1
Range	±60 inWC	±60 inWC	±40 inWC
Resolution	0.01" WC	0.1" -9.999" to 9.999"WC; 0.01" for <-10" or >10" WC	0.01" WC
Positive pressure	•	•	•
Negative pressure	•	•	•
Differential pressure	•	•	•
Units	11	4	8
Min/Max	•	•	•
Hold	•	•	•
Log, graph and email results			•
iOS® and Android™ compatible			•
Warranty	1-Year limited	3-Year Limited	1-Year limited



EM201SPKIT

Static Pressure Kit

- Dual Input Electronic Manometer (EM201B)
- Magnetic static pressure probe tips 2 (ASP1)
- Stepped T fittings 2 (TF100)
- Pressure tubes w/ brass fitting 2 (BF100)
- 60" Pressure tube
- Soft carrying case (AC319)
- Battery (9V)
- Manual (EM151/EM201B-MAN)

PRESSURE TESTERS



DPA1

Differential Pressure Adapter

- Free App: DualPressure
- Flexible transparent silicone tubing 2: 18" length 1/4" diameter
- Battery (CR2450)
- Zippered pouch
- Adapters 2: 3/16" to 5/16" (BF102)
- Manual (17389)



EM152

Differential Digital Manometer

- Flexible transparent silicone tubing 18 length 1/4" diameter 2
- Barbed gas valve fitting 2 (BF102)
- Zippered pouch (7.48 x 4.33 x 1.96)
- Battery (9V)
- Manual (17240)



EM201B

Differential Digital Manometer

- Pressure tubes w/ brass fittings 2 (BF100)
- Battery (9V)
- Manual (EM151/201B-MAN)



CD100A Combustible Gas Leak Detector

- Battery (9V)
- Manual (CD100A-MAN)



CD200 Combustible Gas Leak Detector w/ Alarm

- Batteries 4 (AA)
- Carrying case
- Manual (CD200-MAN)



Part #	CD100A	CD200
Combustible gases	•	•
Non-combustible gases	•	•
Toxic gases	•	•
Minimum detection	50 ppm	50 ppm
Audible tic rate	•	•
Visual tic rate	•	•
Adjustable tic rate	•	•
Visual leak detection by color LED's		•
Fast response time to 40% LEL		•
Warranty	1-Year limited	3-Year Limited

LEAK DETECTORS



RLD10 Refrigerant Leak Detector

- Battery (9V)
- Manual (RLD10-MAN)



RLD15B Refrigerant Leak Detector

- Sensor filters 5 (RLDTF)
- Leak test vial (RLDLS)
- Batteries 4 (AA)
- Hard carrying case
- Manual (17203)



Part #	RLD10	RLD15B
Sensitivity	0.5 oz/yr R134A, R123, R410A	0.5 oz/yr R134A, R22, R1234yf
Response time	<1 sec	≤1 sec
Refrigerants detected	Industry standards, including blends	Industry standards, including blends
Audible tic rate	•	•
Sensitivity levels	2	3
In-tip visual leak indicator		•
Worklight		•
Warranty	1-Year limited	2-Year Limited

Part #	WRS110	WRS220	WRSX
Capacity (Load cell)	110 Lbs.	220 Lbs.	330 Lbs.
Accuracy: 68° to 122°F	±0.25% F.S. ±1 dgt	±0.2% F.S. ±1 dgt	< 80 lbs: ±0.2% F.S. ±1 dgt 80 to 330 lbs: ±0.3% F.S. ±1 dgt
Accuracy: 32° to 68°F / 122° to 158°F	±0.6% F.S. ±1 dgt	±0.4% F.S. ±1 dgt	< 80 lbs: ±0.2% F.S. ±1 dgt 80 to 330 lbs: ±0.6% F.S. ±1 dgt
80 to 330 lbs: ±0.6% F.S. ±1 dgt"	0.1oz (3g.)	0.2oz (5g.)	0.25 oz (7g.)
Display	In App	In App	Backlit LCD/ In App
App	REQUIRES compatible mobile device and free iOS® or Android™ App	REQUIRES compatible mobile device and free iOS® or Android™ App	Uses optional free App on compatible iOS® or Android™ mobile devices
Reinforced durable housing	•	•	•
Large scale platform	•	•	•
Light weight design	•	•	•
35 to 100 ft. (10-30 m) Wireless range*	•	•	•
Non-slip platform grip	•	•	•
Easy wireless connection	•	•	•
Wireless status indication	LED Lights	LED Lights	LCD Display
D-clip hoist opening	•	•	•
Overload protection: Min 150% max load	•	•	•
Low battery indication	•	•	•
Batteries	9V	9V	Rechargeable battery pack
Carrying case		•	•
Warranty	1-Year limited	1-Year Limited	1-Year limited

*Wireless range depends on environmental conditions

A/C & REFRIGERATION



WRS110 Smart Wireless Refrigeration Scale 110

- Free App for iOS® and Android™
- Battery (9V)
- Manual (17390)

CE FCC IC



WRS220 Smart Wireless Refrigeration Scale 220

- Free App for iOS® and Android™
- Battery (9V)
- Carrying pouch (AC419)
- Manual (17390)

CE FCC IC



WRSX Smart Wireless High Capacity Refrigeration Scale

- Free App for iOS® and Android™
- Rechargeable batteries
- Battery charger cable
- Carrying pouch (AC419)
- Manual (17288)

CE FCC IC



DMG150 Digital Micron Gauge

- 45° degree coupler
- Battery 1 (CR123A)
- Manual (17393)

Measures	microns, pascals, Millibar, mmHg, mTorr
Max pressure	700 psi
Feature	Oil contamination detection
Warranty	1-Year limited

CLAMP METERS

DL200	CATIII Clamp-On Meter and Voltage Tester
DL369	Digital Clamp-On Meter
DL379B	Digital HVAC Clamp Meter
DL389	True RMS Clamp-On Meter
DL419	AC/DC 1000A True RMS Clamp-On Meter

COMBUSTION

K905	Industrial 4 Gas Combustion Analyzer
K945	Industrial 4 Gas Combustion Analyzer
K9206	Industrial 5 Gas Combustion Analyzer

A/C & REFRIGERATION

AK940	Digital Refrigerant System Analyzer
HA1	Hermetic Compressor Analyzer

LEAK DETECTORS

LPKIT	Leak and Pressure Kit
LPKITPLUS	Leak and Pressure Kit

TEMPERATURE TESTERS

DT302	Dual Input Logging Thermometer
DT304	Quad Input Logging Thermometer

HUMIDITY & AIR FLOW

DTH10	Digital Thermo-Hygrometer
DTH35	Digital Pocket Psychrometer
DTH880	Temperature and Humidity Monitor

SPECIALTY TESTERS

CLM100	Cable Length Meter
PSMR1	Phase Sequence Motor Rotation Meter
TACH2	Digital Tachometer

ADDITIONAL PRODUCT LIST

ELECTRICAL TESTERS

ECTGFI	Ground Fault Indicator
NCV3	CATIV 1000V Dual Level Tester

INSULATION RESISTANCE

DMEG3	Digital Insulation Resistance Tester
IRT3	Analog Insulation Resistance Tester
IRT20	Hand-Cranked Insulation Resistance Tester

THERMOMETERS

FG80K	Refrigerator Freezer Thermometer
G120	Thermometer -40° to 120°F
RF60A	Vapor Tension Remote Thermometer
RFT2A	Refrigerator Freezer Thermometer
T125/3	1 3/4" Dial Thermometer 25° to 125°F
T160/3	1 3/4" Dial Thermometer -40° to 160°F
T220/3	1 3/4" Dial Thermometer 0° to 220°F
T160	1" Dial Thermometer -40° to 160°F
T220	1" Dial Thermometer 0° to 220°F

UTL

UTL291	Digital Clamp-On Meter w/ Temperature
UTL33T	Digital Multimeter w/ Temperature
UTLCD1	Combustible Leak Detector
UTLDM1	Manual Ranging Digital Multimeter
UTLDM2	Auto Ranging Digital Multimeter
UTLIR1	8:1 Infrared Thermometer
UTLIR2	10:1 Infrared Thermometer

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