



DT-898/898A/889/ 889A/898FC/889FC

**True RMS Compact Multimeter with
InfraRed Thermal Imager**

**898/898A/889/889A True RMS Digital
Multimeter built-in Thermal Imager
design, providing fast A/D converting
sampling time, high accuracy. Advanced
system Platform permits smart
multifunctions such as updating
software on line, PC calibration etc.**



Safety Conformance

EN61010-1 CAT IV 300V, CAT III 600V

1000V input protection on all ranges

**10A/1000V & 0.8A/1000V fuses
protection on current ranges**

Features(DT-898/898A/889/889A)
Built-in Thermal Imager design quickly identifies hot spots without contact
240 x 320 2.4" TFT color LCD display
Large LCD display 4000 counts with True RMS measurements
Fork clamp sensor for AC 100A current measurement
Low pass filter for accurate measurement of variable frequency drive (VFD) signals
Data Hold
A/D convert fast sampling time: 4 Times/sec.
Peak capture (records transients as fast as 500µs)
Min/Max/Average with Time stamp (records signal fluctuations)

Features		
	898FC	889FC
0.47" (12mm) Fork clamp sensor for AC/DC 100A current measurement	*	*
Bluetooth interface	*	*
Large LCD display 4000 counts with True RMS measurements & flashlight	*	*
Built-in Thermal Imager design quickly identifies hot spots without contact	*	*
Logging function with Trend Capture for easy review of logged data (100,000 dot measurements)	*	
AC, AC+DC True RMS measurement & 1kHz ACV/ACA bandwidth	*	
240 x 320 2.4" TFT color LCD display	*	*
Built-in 0.3Megapixels visible light digital camera		*
A/D convert fast sampling time: 3 Times/sec.	*	*
Peak capture (records transients as fast as 500µs) & Data Hold	*	*
Min/Max with Time stamp (records signal fluctuations)	*	*
CAT III-600V Category safety rating CAT III-300V CAT II-600V	*	*

Specifications						
Thermal Imager		898/898A	889/889A	898FC	889FC	
IR Resolution		80x80 pixels	32x32 pixels	80x80 pixels	32x32 pixels	
Field of view(FOV)	17°x17°	*	40°x40°	*	40°x40°	
Thermal sensitivity/NETD	<0.08°C/80mK	*	*	*	*	
Image frequency	50Hz	*	9Hz	*	9Hz	
Object temperature range	-20 to 260°C(-4 to 500°F)	*	-20 to 300°C(-4 to 572°F)		-20 to 300°C(-4 to 572°F)	
Spectral range	8-14μm					
Color palettes	IRON/Rainbow/Grey/Grey Inverted					
Accuracy	±2°C(±3.6°F) or ±2% of reading					
True RMS Multimeter Functions						
Function	Max Range	Basic Accuracy				
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.0%	*	*	*	*
Current DC	10A	±1.5%	*			
Fork clamp DC current	100A	±3.0%		889A	*	*
Current AC	10A	±2.0%	*			
Fork clamp AC current	100A	±3.0%		889A	*	*
Resistance	40MΩ	±1.0%	*	*	*	*

Capacitance	4000μF	\pm3.0%	*	*	*	*
Frequency	10MHz	\pm1.0%	*	*	*	*
Duty Cycle	99.9%	\pm1.2%	*	*	*	*
Diode Check & Continuity Test			*	*	*	*
Size(HxWxD): 148mm x 68mm x 48mm Weight: 348g						

Accessories: Test leads, Li-ion batteries, Software, gift box with carrying case.