

# The Wave

## Hand Held Weld Current and Voltage Monitor



- Compact
- USB Interface
- PC Data Collection and Analysis

- Measures AC, MFDC Inverter, AC Inverter Weld Current, Voltage and Time
- Selectable Time Measurement: Cycle or msec.
- Automatic Collection and Storage of **10.000** Weld Data Points
- Unsupervised Data Collection
- Durable and Flexible Current Coil and Voltage Leads



Laptop (not included)

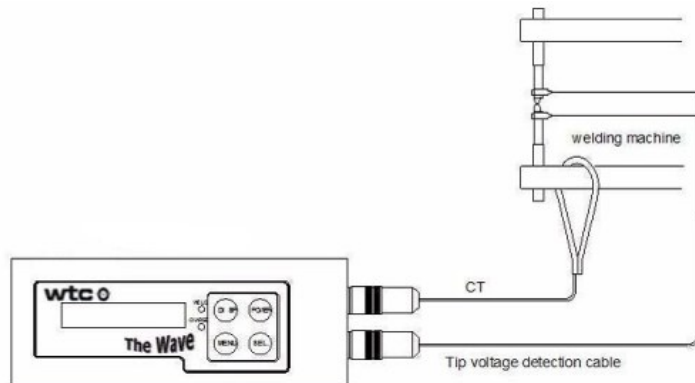


“Inspector” PC Data Analysis Software

Easy Viewing Graphical  
Interface using Computer  
Monitor

# The WAVE Specifications

Size:	2.283"H x 5.748"W x .866"D (58mm x 146mm x 22mm)	
Weight:	0.5 Lbs (170g)	
Battery operating time:	8 hours, continuous	
Power Consumption:	Typical: 63mA Maximum: 115mA	Power Supply: Li-ion Battery
Temperature: 0 - 40°C	Humidity: 10-90%	
Interface:	USB Rev 1.1	
Measurement target	50/60Hz AC - Inverter MFDC - Inverter	Weld current, Weld Time Tip voltage Tip resistance (PC only)
Measurement method	Detect by CT coil at secondary	
Data	Average current, voltage, resistance (10000 units of data storage) Each cycle (or msec) current, voltage, resistance (20 units of data storage) Wave data for current (1 units of data storage)	
Range	Weld current	Lo: 2.5 – 19.99kA Hi: 10.00 – 49.99kA
	Weld Time	Cycles: 0-5-99.5cycle Msec: 1-1999msec
	Tip voltage	0.0 – 4.99 V
	Tip resistance	1 – 2000μOhm
Accuracy	Weld current: Tip voltage: Tip resistance:	±2%FS ±5%FS ±5%FS
Measurement Trigger	Automatic trigger by weld current.	
Function	Weld method: Frequency: Range: Start cycle: End cycle: Auto power off:	AC/DC 50 / 60Hz Lo / Hi 0.5 – 9.5 cycle or 1-199 ms 0.5 – 99.5 cycle or 1-1999 ms OFF / 10 min / 30 min / 60 min
Accessories	CT coil, AC charger, Tip Voltage Detection Cable Software for PC: Inspector.exe (for Windows XP, 2000, ME) USB cable	



*Voltage leads and current coil each have a channel to The Wave. Simple installation on welder allows the weld engineer to start collecting welding data even on very old equipment.*