



# The Wave

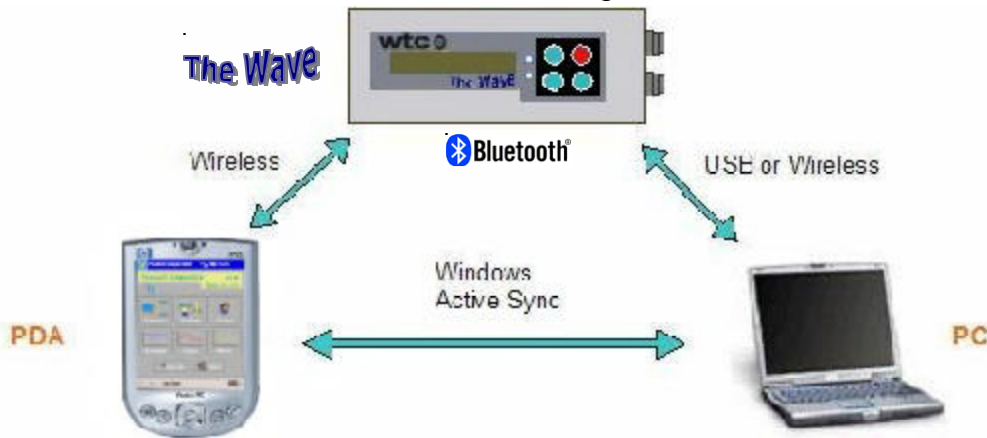
**The Wave** is a new concept in weld monitors:

- Compact
- Wireless (Bluetooth™) Connection
- PDA Data Collection
- USB Interface
- PC Data Analysis

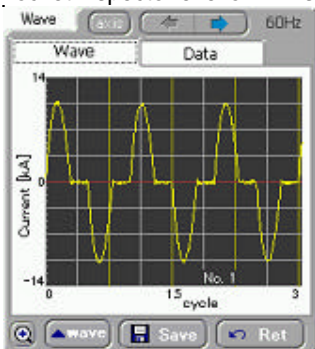


## Features

- Measures AC, MFDC Inverter, AC Inverter weld current, voltage and time
- Selectable time measurement: cycle or msec.
- PDA wireless communication and data collection
- Automatic collection and storage of 10,000 weld data-points
- Anytime data monitoring
- Durable and Flexible current coil and voltage leads



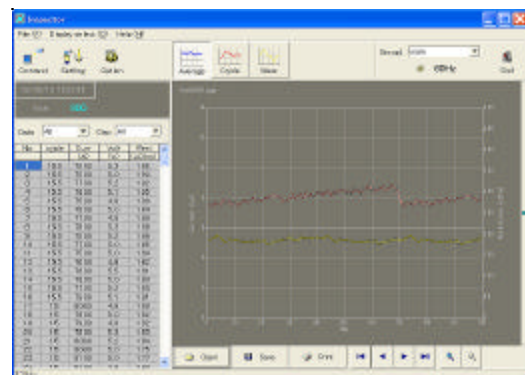
Pocket Inspector.exe for PDAs



Data stored in **The Wave**

can be shared by both PDA and PC. Weld data can be downloaded, displayed, charted and saved to a file.

Inspector.exe for PC



# The Wave

## Weld Monitor

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 or Bluetooth™ ver 1.1 (Radio range 30ft)	
Measurement target	50/60Hz AC - Inverter MFDC - Inverter	Weld current, Weld Time Tip voltage Tip resistance (PC, PDA 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	
Options	Software for PC: Inspector.exe (for Windows XP, 2000, ME)	
	Software for PDA: Pocket Inspector.exe (for Windows CE 3.0)	
	USB cable, USB adapter for Bluetooth	



**Advanced Products Group**

A Division of Welding Technology Corporation

