

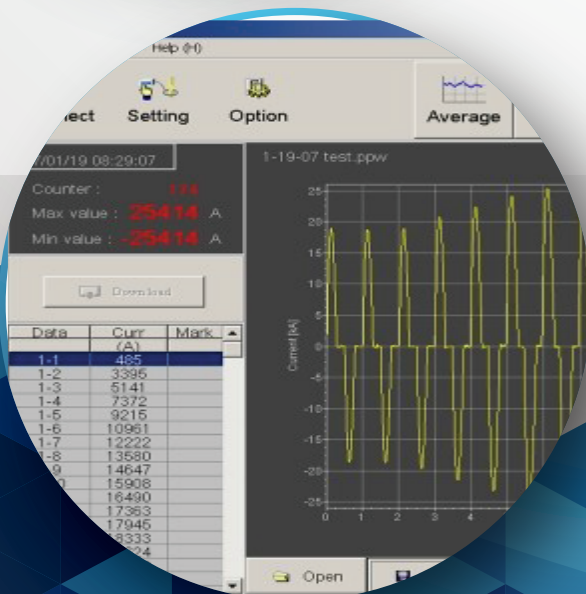
The Wave

HAND HELD WELD CURRENT AND VOLTAGE MONITOR

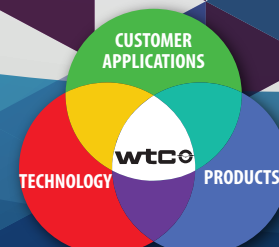
- Compact
- USB Interface
- PC Data Collection and Analysis



- 1 Measures AC, MFDC Inverter, AC Inverter Weld Current, Voltage and Time.
- 2 Selectable Time Measurement: Cycle or Msec.
- 3 Automatic collection and storage of 10,000 weld data points.
- 4 Unsupervised data collection.
- 5 Easy viewing graphical interface using computer monitor.
- 6 Durable and flexible current coil and voltage leads.

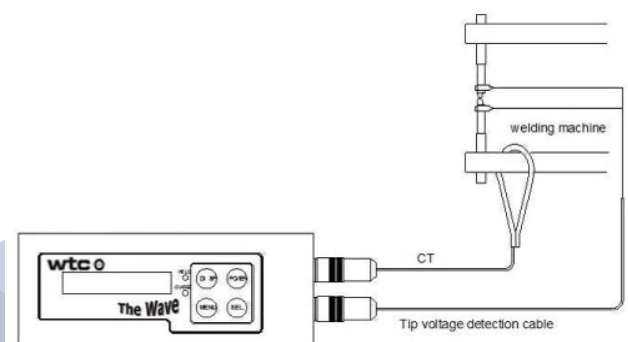


"Inspector" PC Data
Analysis Software



THE WAVE SPECIFICATIONS

SIZE (H x W x D):	2.283" x 5.578" x 0.866"	58 mm x 146 mm x 22 mm
WEIGHT:	0.5 Lbs.	170 g
BATTERY OPERATING TIME:	8 Hours Continuous	
POWER CONSUMPTION:	Typical: 63 mA Max: 115 mA	Power Supply: Li-ion Battery
TEMPERATURE:	0-40°C	Humidity: 10 - 90%
INTERFACE:	USB Rev 1.1	
MEASUREMENT TARGET:	50/60 Hz 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 (1000 units of data storage) Each cycle (or msec) current, voltage, resistance (20 units of data storage) Wave data for current (1 unit of data storage)	
RANGE:	Weld Current	Lo: 2.5 - 19.99 kA Hi: 10.00 - 49.99 kA
	Weld Time	Cycles: 0-5 99.5 cycle Msec: 1 - 1999 Msec
	Tip Voltage	0.0 - 4.99 V
	Tip Resistance	1 - 2000 µOhm
ACCURACY:	Weld Current	± 2% FS
	Tip Voltage	± 5% FS
	Tip Resistance	± 5% FS
Measurement Trigger:	Automatic trigger by weld current	
Function:	Weld Method	AC / DC
	Frequency	50/ 60 Hz
	Range	Lo/ Hi
	Start Cycle	0.5 - 9.5 Cycle or 1 - 199 Ms
	End Cycle	0.0 - 99.5 Cycle or 1 - 1999 Ms
	Auto Power Off	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 the welder allows the weld engineer to start collecting welding data even on very old equipment.

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