

**Spotron™**

# *SP - 3221* WELDING METER

USB ACCESS

LIGHTWEIGHT, COMPACT



**MEKANO CORPORATION**

SEVEN DREAM BLDG 3F, 1-32-37, SIMO-ASAO, ASAO-KU  
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**Outline :**

Model SP-3221 is handy type welding monitor for almost all kinds of resistance welding, which measures secondary current and welding time. Measured data is digitally indicated in the display and at the same time stocked in built-in memory up to 100 data maximum. The stocked data can be output to PC via USB terminal for data recording and analyzing. CD-ROM for application software shall be provided with standard accessories enclosed in the package.

For AC current or rectified current type, effective value of welding current is measured at each half cycle and effective mean value is calculated and displayed after application of welding current. In case of capacitor discharge type welder, it measures and displays current of peak value and time(mSec) to peak current or time(mSec) to the end of current application.

**Features :**

More compact and lighter body by employing built-in Nicd Battery.

Sensor coil is MEKANO patented non-core toroidal coil which has become world wide standard of resistance welding measurement.

Wide range for measurement (Current: Max. 99.9kA, Time: Max. 300cycles)

There is no limitation for data recording by using the function of data transferring to PC from built-in memory.

Output data to PC consists of "ID Count No.", "Time (hour / minute)", "Current (A / kA)", "Welding time (cycle / ms)" and "Conduction angle (degree)".

**Specifications :**

Applicable for	Single phase AC, Single phase rectified, 3 phase rectified, Inverter, Capacitor discharge, Intermittent seam weld	
Welding current	Ranges	500 ~ 999A / 0.5A ~ 9.99A / 8.0kA ~ 19.9kA / 5.0kA ~ 99.9kA
	Indication	Average of RMS value or PEAK value
	Accuracy	±2% of full scale
Welding time	Ranges	Cycle: 0.5 ~ 300cycles, mSec: 0.1 ~ 999mSec
	Indication	[Cycles] All over weld time [mSec] Time to Peak(Tp) / Time to End(T0)
	Accuracy	Cycle: ±0.5cycle, mSec: ±0.1mSec
Data output	ID Count No. / Time (hour, minute) / Current (A · kA) Welding time (CY or ms) / Conduction angle (deg)	
Output terminal	USB 1.1 B-Type connector	
Power source	Built-in Nicd battery 5KR-100AAU (1100mAH) AC adaptor (AC100-240V 50/60Hz)	
Dimensions	100(W) x 180(H) x 33(D) mm	
Weight	0.8kg (Body) / Approx. 2.3kg (Including Case & Accessories)	
Accessories	Toroidal coil PU-12 (Φ18x800 Dia.260mm), AC adaptor (AC100-240V) Carrying case, Shoulder strap, USB cable, CD-ROM, Instruction manual	

[May change without the preliminary announcement of a part of appearance and specification by product improvement etc.] 2011.04

Manufacturer Specialized in the measuring equipment for resistance welding

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