

Welding Monitor

WM-EX

for Resistance Welding

- 5.7 inch VGA color LCD touch screen
- Various monitoring
 - 2 points of upper limits and 2 points of lower limits can be set.
 - 2 measurement intervals can be set for a measurement and their current data can be measured individually.
- Max. 9.99 sec. of weld time can be measured.
- 5 points of displacement can be measured.
(Work check, Product size and 3 points of displacement)
- ISO compliant mode
(ISO-17657)



Specifications

Current	Measurement range	0.10 – 50.00 kA (Option –500 kA)
	Measurement mode	Normal calculation mode: Arithmetic mean RMS for every 0.5 cycles or 1 ms ISO compliant mode: Effective value from Measurement start to end
	Measurement accuracy	Within $\pm 1.5\%$ (with standard detection coil)
Voltage	Measurement range	0.30 – 20.0 V (6 V range, 20 V range)
	Measurement item	Peak value in weld time or Effective value from Measurement start to end
	Measurement accuracy	Within $\pm 1\%$
Weld time	Measurement range	AC: 1 – 9990 ms, 0.5 – 499.5 CYC (50 Hz), 0.5 – 599 CYC (60 Hz)
		DC: 0.1 – 9990 ms
Displacement	Measurement range	± 65.535 mm (1.0 μ m resolution)
	Measurement item	5 points (Work check, Product size and 3 points of displacement)
Welding Force		Can be measured with a Load cell. [Unit: N, kN]
Channel		127
Analog input for general purposes		Input range: -10 Vpk – +10 Vpk Temperature [Deg], Input voltage [V], Pressure [Mpa] etc. can be displayed.
Current detection coil		Standard (WMC-800DN), 10 times, half, quarter sensitivity coils
Language		English, Chinese, Japanese
Communication		RS-232C, RS-485, Ethernet (Option, under development)
Input Power Supply		AC 90 – 250 V, 50/60 Hz
Weight		Approx. 5 kg

Specifications may be changed without any notice.

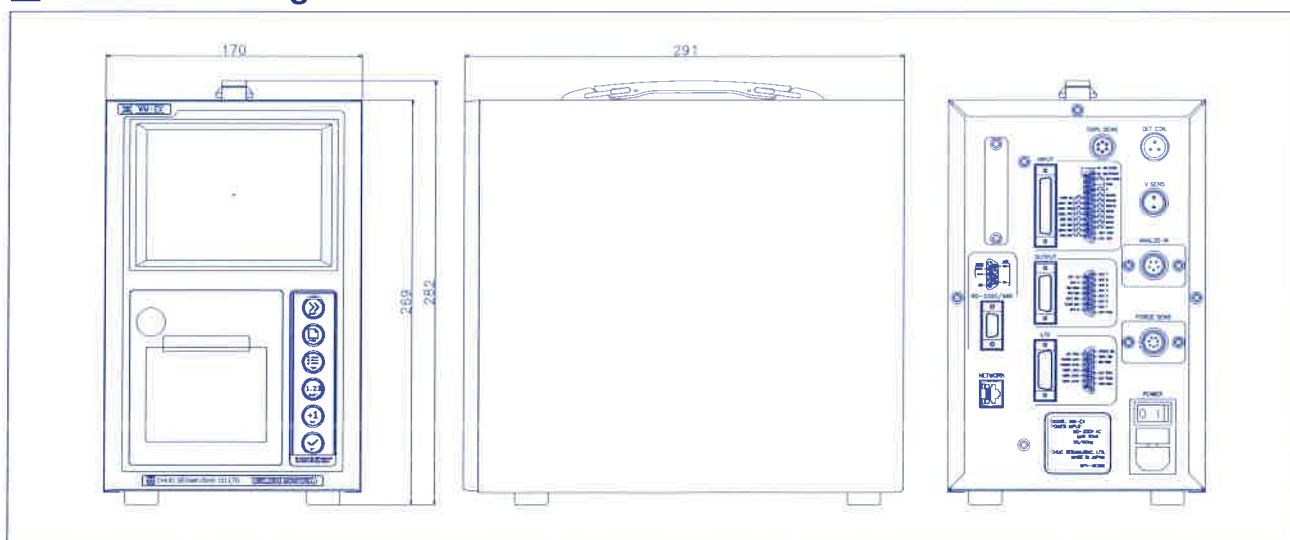
<Standard accessories>

Current detection coil (Standard or 10 times sensitivity), Secondary voltage detection cable,
Printer paper, Fuses (2 pieces), D-sub connector and cover

<Option>

Load cell for Welding force measurement, Linear gauge for displacement measurement,
Connector for Analog input, Current detection coil (Half or quarter sensitivity), AC input power cord

Outline drawing



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