

Spotron™

AMS - 107D WELDING MONITOR

FOR GENERAL RESISTANCE WELD



MEKANO CORPORATION

419, SIMO - ASAO, ASAO - KU, KAWASAKI - SHI,
KANAGAWA - KEN, 215-0022, JAPAN
[Http://www.spotron.co.jp](http://www.spotron.co.jp)

TEL 044(988)8751
Fax 044(988)8713
Email mail@spotron.co.jp

Welding Monitor

Model **AMS - 107D**

Outline:

AMS-107D is automatic monitor of secondary current and welding time for capacitor discharge type spot welding machine. Secondary current and welding time is measured and indicated in the display, at the same time signal output is done for the result of judging safe or failure. It supports many functions with external input/output terminals such as output of voltage (AC100V) for NG alarm, change of welding parameters, detection of no current, etc.

Features:

- (1) Setup of upper/lower limit (allowable range) of secondary current and welding time.
- (2) Covering many patterns to set up measuring conditions (Max. 16 patterns).
- (3) Welding time can be displayed at the specified point of "%" against maximum current value.
- (4) Measuring current can be selected in case of multi-impulse welding. (IMPULSE No.)
- (5) Set up of NG judging for no current by inputting start signal from external device.
- (6) Colored indication in the display for OK/NG judgment:
"GREEN" = OK (within allowable range), "RED" = NG (out of allowable range)
- (7) Measured data in the display can be printed out by digital printer DP-110H (option).

Specification:

Item		Contents
Current	Measurement range	0.5 kA - 99.9 kA
	Measured value	Peak current value
	Measurement accuracy	± 2 % Full scale
Time	Measurement range	0 - 99.9 mSec
	Measured value	Time to Peak(TP) / Time to End(TB) / Time in specified rate(%T)
	Resolution	Min.resolution 0.3 mSec
Impulse selection		All welding pulses / Specified pulse (1 - 9)
Condition setting		Max. 16 patterns
Display		3-digit 7-segment 2-color LED
External input signal		No current detection - valve signal terminals (AC100-120V), Condition setting - condition selecting terminals
External output signal		NG voltage - outputting AC100V same as power source OK/NG signal - relay terminals (1A output each from NO/NC) Printer output - Centronics.
Temp. operated condition		0 - 40
Power supply		Single-phase AC100-120V, 50/60HZ
Dimensions		84(W)×220(H)×240(D) mm
Weight		2.2kg (Body) / Approx. 2.9kg (Including Accessories)
Accessories		Toroidal coil (to be selected from PU-400 or PU-600, PU-800), AC Power cable, Instructions manual

Option: Printer, Memory box SCF-50 (RS-232C output terminal is required additionally)
Toroidal coil PU-400L (130), PU-600L (190), PU-800L (260), PU-950L (300)

Note: Special order on request for Changes of measuring range, AC200V power source, RS-232C output, etc.

[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

Distributor

MEKANO CORPORATION

3-10-15, SIMO-ASAO ASAO-KU KAWASAKISI-SHI
 KANAGAWA 215-0022 Japan
 TEL ++81-44-981-0510 FAX ++81-44-988-8713
<http://www.spotron.co.jp/> mail@spotron.co.jp