

For all kinds of resistance welding

Welding Monitor

AMS-115/AMS-116



Welding Monitor Model **AMS-115 / AMS-116**

■ Outline & Features:

Welding monitor of higher performance and accuracy developed as succession model of existing monitor. Wide application for any current type with optional super low/high range (Min.50A / Max.999kA).

Covering high frequency max. 600Hz. In addition, [AMS-116] is special model for seam welding which can measure the time longest 9000CY (180sec).

More allowable condition setting is Max 16 patterns.

RS232C is standard function for PC communication.

Supporting with many input/output signals and options.

■ Specification:

Application		A C · D C (Max. 600Hz)	
		Capacitor discharge current	
Weld Current	Range	0.5 kA ~ 99.9 kA (Option : 50A ~ / ~999kA)	
	Value	RMS_Average / RMS_Max / PEAK	
	Accuracy	±2% F.S. / RMS±(2%rdg+3dgt). PEAK±(2%rdg+9dgt) Either the above two values which is smaller	
Weld Time	Range	(115)	Max. 2sec [Single Ph. AC] 0.5~100CY(50Hz)、0.5~120CY(60Hz) [AC Inverter] 0.5~Max.1200CY(600Hz) / 0.1ms~2000msec
		(116)	Max. 180sec [Single Ph. AC] 0.5~9000CY(50Hz)、0.5~10800CY(60Hz) [AC Inverter] 0.5~Max.10800CY(600Hz) / 0.1ms~180.0sec
	Accuracy	±0.5 CYCLE / ±0.1 ms	
Multi-pulse		Specified Cycle / Specified Time	
Intermittent pulse		Ave. of all pulses/ Specified pulse (1~999)	
Condition memory		Max. 32patterns	
Display		4digit 7segment LED	
External input signal		Signal terminal for no current detection Terminal for selecting condition number Gate signal for stopping measurement	
External output signal		NG Output Voltage (=Power source Rating 1A) OK/NG relay terminals (Contact Rating DC24V 100mA) OK count signal relay terminals (Contact rating DC24V 100mA) Data output: RS-232C	
Operating temp.		0 °C ~ 40 °C	
Power source		Single phase A C 100 ~ 240 V (50 / 60 H z)	
Dimensions		84(W) x 220(H) x 240(D) mm	
Approx. Weight		Main Unit: 2.7kg Including Case & Acc.: 3.4kg	
Accessories		Toroidal coil, AC power cable, Instruction manual, Test Certificate	

■ RS-232C Cable is sold separately on request. (Please specify required length of cable.)

■ Option: Printer, NG buzzer, Analog output, Twin coil, etc.

Toroidal coil PU-400L (φ 130), PU-600L (φ 190), PU-800L (φ 260), PU-950L (φ 300)

Made in Japan

[May change without the preliminary announcement of a part of appearance and specification by product improvement etc.] 2018.12

Manufacturer Specialized in the measuring equipment for resistance welding

Distributor

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