

**NEW**

# HAND HELD WELD SCOPE WS-100



**Toroidal coil**  
\*1-fold sensitivity, Cable length 3m  
(Standard equipment)



**Press sensor F10kN-DG-J07**  
**Cable F10kN-DG15**  
\*option

## Features

**Slim and portable wherever you need it.**  
**Large LCD display that is easy to read.**  
**Measuring welding current and time.**  
**Large Memory Capacity**  
(About 10,000 weld point data storage available)  
**USB PC communication interface**  
**Optional Pressure Meter**

 **DENGENSHA** MFG.CO.,LTD.

## Specifications

Name	Hand held weld scope
Model	WS-100
Size	W160×D87×H33(mm)
Mass	450g (Including battery, case cover)
Language	English
Battery type	1 set of four Ni-MH battery (AA size) (recommended, Initial accessories) 1 set of four 1.5V alkaline batteries for only temporary use. (Please do not use AC adapter while alkaline battery in use)
Charge unit	AC adapter (USB is not available) / Input : AC100 ~ 240V 50/60Hz / Output : DC9V 1.3A
Charging time	Approximately 3.5 hours * Charging time may change by charging status and the ambient environment.
Continuous operation time	Approximately 8 hours (Ni-MH battery fully charged) * when the backlight is OFF
Ambient temperature	0 ~ 40[°C] / under charging : 5 ~ 30[°C]
Humidity	90% or less, no dew drop
Measuring resistance welder type	Single phase AC, single-phase rectifier, three-phase rectifier, MFDC Note) Maximum no load secondary voltage is 33V rms or less for operator safety.
Frequency	50/60Hz *Note Initial setting value is 50Hz, please be sure to set frequency of user region (see 7.7 of this manual)
Current sensor type	ISO type : 150mV/1000A *Option 10 times sensitivity, 1/2 times sensitivity manual sensor voltage setting is also available
Measurement current ranges	AC : 0.60 ~ 6.00(kA), 2.5 ~ 25.0(kA), 5.0 ~ 50.0(kA) / DC : 1.00 ~ 10.00(kA), 2.5 ~ 25.0(kA), 5.0 ~ 50.0(kA) *Above specification range by standard toroidal coil.
Measuring time range	0.5 ~ 99[cy] ]
Measurement accuracy	±2% F.S.
Phase range	30 - 180[° ]
Maximum storage data	Average RMS current and time : 10,000 weld points RMS current of each cycle : 50 weld points Waveform : 3 weld points
PC communication interface	USB Type B (PC connection cable is TypeB-TypeA)
Pressure meter range (with option pressure sensor)	0.5 - 10.0[kN]

## Standard equipment

Parts Name	Q'ty
Toroidal coil (Parts Number 1B4S3UL)	1
Battery	4
AC adapter	1
Instruction manual	1
USB cable	1
WDM (Weld Data Manager) Installation CD	1

## Other parts, options

Parts Name	Parts Number	Q'ty	MFG	Remarks
Toroidal coil	10B4S3UL	1	DG	10 × sensitivity
	1/2B4S3UL	1	DG	1/2 × sensitivity
Pressure sensor	F10kN-DG-J07	1	DG	
Cable	F10kN-DG15	1	DG	The cable length 1.5m



### Caution

Specifications and outline are subject to change without notice.  
In order to ensure safe operation, please read instruction manual before use.

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