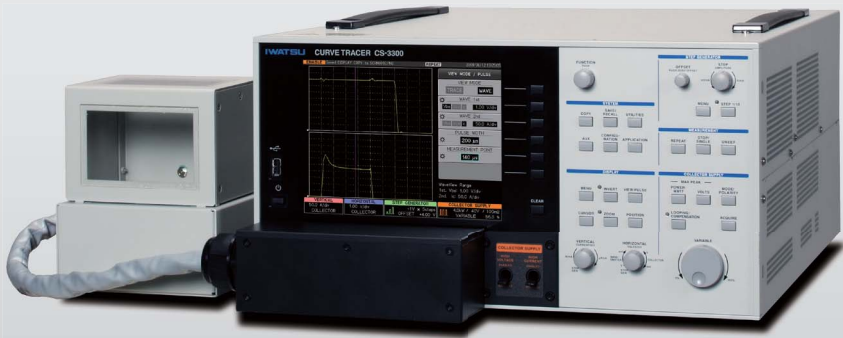


Curve Tracer CS-3000 Series

Suitable for various semiconductor specification measurement such as IGBTs, MOSFETs, transistors and diodes, etc.

- Maximum peak voltage at 3000 V
- Maximum peak current at 1000 A (High-current mode including CS-3200 and CS-3300)
 - CS-3200 (Maximum at 400A)
 - CS-3300 (Maximum at 1000A)
- Equipped all models with LEAKAGE mode (Cursor resolution 1pA)
- USB port for display hardcopy, waveform data (CSV format) and measurement setup SAVE/RECALL
- LAN interface for Remote Control

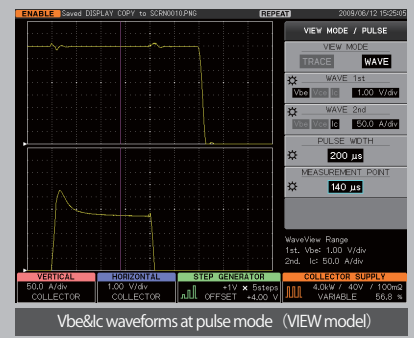
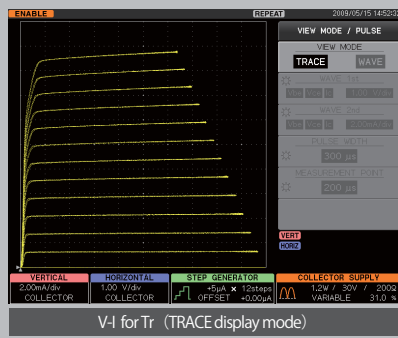
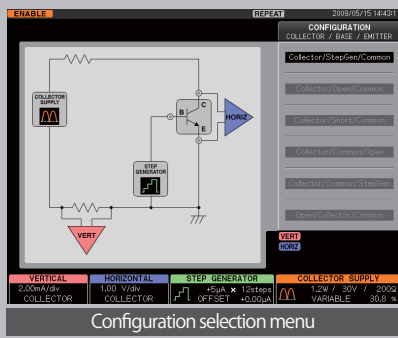


Curve Tracer CS-3100



Curve Tracer CS-3200/ CS-3300

Easy to use display layout for all models



| Specifications | CS-3100 | CS-3200 | CS-3300 |
|---|---|---|--|
| Collector supply | | | |
| Corrector supply Mode | High voltage | High voltage mode: AC, +/- RECTIFIED SIN, +/- DC, +/- LEAKAGE | |
| | High current | — | High current mode: Pulse |
| Maximum peak power consumption selection | 120mW, 1.2W, 12W, 120W, 390W | note)390W can be selected excluding max. peak voltage at 3,000V range | |
| | — | High current mode(400W,4kW) | High current mode(400W,4kW,10kW) |
| High voltage mode | Maximum peak current(Maximum peak pulse current) | | Maximum peak voltage |
| | 75mA (150mA) | | 3,000V (2,500V at AC) |
| | 750mA (1.5A) | | 300V |
| | 7.5A (15A) | | 30V |
| Looping compensation | Stray capacitance compensation between Collector and GND by hardware at high voltage mode. Software compensation is also available. | | |
| High current mode (only for pulse) | — | Max. peak current | Max. peak voltage |
| | | 400A | 40V |
| | | 40A | 40V |
| | | Max. peak current | Max. peak voltage |
| | | 1,000A | 40V |
| | | 400A | 40V |
| | | 40A | 40V |
| Pulse width / measurement points | — | Pulse width is variable from 50 μ s to 400 μ s at 10 μ s resolution, Measurement point can be set. | |
| Maximum data points | 20 to 1000 points can be set per each traces. | | |
| Step generator | | | |
| Current mode | Amplitude range: 50nA to 200mA at 1-2-5 step Maximum current: 10times of STEP AMPLITUDE setting, Offset: +/- 10times of STEP AMPLITUDE setting | | |
| Voltage mode | Amplitude range: 50mV to 2V at 1-2-5 step Maximum voltage: 10times of STEP AMPLITUDE setting, Offset: +/- 10times of STEP AMPLITUDE setting | | |
| Step rate | Staircase waveform: 2times of 50Hz or 60Hz (50Hz or 60Hz at AC mode) | Staircase waveform: 2times of 50Hz or 60Hz (50Hz or 60Hz at AC mode) Pulse: variable from 80ms to 1000ms (Lowest frequency limited by maximum peak power consumption setting) | |
| Pulse steps | Pules width variable from 50 μ s to 400 μ s at 10 μ s resolution, measurement point can be set. | | |
| Number of steps | 0 to 20steps | | |
| AUX output | | | |
| Range | OFF, variable from -40V to +40V at 100mV step | | |
| Vertical axis | | | |
| Collector current | High voltage mode: 1 μ A/div to 2A/div (20steps) at 1-2-5 step | | |
| | — | High current mode: 100mA/div to 50A/div (9steps) at 1-2-5 step | High current mode: 100mA/div to 100A/div (10steps) at 1-2-5 step |
| Emitter current (at LEAKAGE) | 1nA/div to 2mA/div (20steps) at 1-2-5 step | | |
| Horizontal axis | | | |
| Collector voltage | High voltage mode: 50mV/div to 500V/div, (13steps) at 1-2-5 step | | |
| Base / Emitter voltage | — | High current mode: 50mV/div to 5V/div (7steps) at 1-2-5 step | |
| | 50mV/div to 5V/div (7steps) at 1-2-5 step | | |
| General specifications | | | |
| Display | 8.4 inch color TFT-LCD (SVGA 800x600pixels) | | |
| Date save / Recall | Internal memory: 256 setups and 4 REF waveforms | | |
| | External: USB port for setups, waveform save&recall, hardcopy of display into removable memory | | |
| USB port | 1port (USB1.1) | | |
| Remote control | Remote control with LAN: 1port (100BASE-TX) | | |
| AC power supply/ Power consumption | AC90V-AC264V single phase, 45Hz to 66Hz, 500VA | | |
| Accessories | CS-301*1(Fixture S), CS-500*1(blank adaptor), Operation manual*1, Power cable*1 | CS-302*1(Fixture M), CS-500*1(blank adaptor), Operation manual*1, Wire set*1, Power cable*1 | |
| Dimensions, weight and environment condition | | | |
| Dimensions (mm) | Approx. 424W×555.2L×221H(mm) | Approx. 424W×555.2L×354.5H(mm) | |
| Weight | Approx. 30kg without accessories | Approx. 45kg without accessories | |
| Enviromental conditions | Operation: 0deg. to +40deg | | Accuracy guaranteed: +10deg. to +35deg. |

IWATSU <http://www.iti.iwatsu.co.jp/>

IWATSU ELECTRIC CO., LTD.

International Dept.
7-41, Kugayama 1-Chome, Suginami-ku,
Tokyo, 168-8501 Japan
Tel: +81-3-5370-5483
Fax: +81-3-5370-5230

Manufactured by IWATSU TEST INSTRUMENTS CORP.



宇宏企業股份有限公司

台北：三重市重新路五段609巷16號6樓之1
TEL:02-22782269 FAX:02-22782059
新竹：新竹縣竹北市台元26號4樓之10
TEL:03-552-6779 FAX:03-552-6739
台南：TEL:06-204-3276 FAX:06-204-3096
東莞：廣東省東莞市東城區東城中路芳桂園丹桂苑A座603室
TEL:0769-22363346 FAX: 0769-22363346
蘇州：江蘇省蘇州市桐廬北路26-6號恆峰大廈268室
TEL:0512-65236999 FAX:0512-65235999
Home page: www.radiotek.com.tw
E-mail: salesmag1@rdmail.com.tw