

CS-3000

CS-5000

CS8500




| High Voltage Measurement | | | | |
|---|--|--|--|---|
| Voltage range (Current/Peak pulse Current) | 3kV (75mA/150mA) | 5kV (25mA/25mA) | 5kV (8mA) | CS-8500: 5kV source and 200V source has Voltage ranges to keep high output resolution |
| | 300V (750mA/1.5A) | 300V (750mA/1.5A) | 2kV (20mA) | |
| | 30V (7.5A/15A) | 30V (7.5A/15A) | 200V(2A) | |
| Control | Watt | Watt | Voltage/Current | CS-8000 can measure arbitrary voltage and current point. When measuring parameters automatically, voltage and current control is useful. CS-3000 needs to search arbitrary voltage or current point with using search function(CS-800) |
| Wave shape | DC/AC/Rectified SIN | DC/AC/Rectified SIN | DC/Pulse/SIN,Half-wave, full-wave | CS-3000/5000 doesn't have pulse. |
| Leakage current Measurement | | | | |
| Current resolution | 1pA | 1pA | 250fA | CS-8000 has better leakage current resolution. |
| Connector | 4mm safety jack | 4mm safety jack | Triaxial / HV connector | Triaxial cable makes low noise measurement. More stable Leakage current measurement is available with CS-8000. For HV mode special HV connectors and leakage mode. |
| High current Measurement | | | | |
| Current range | 1000 A / 10kW | 1500 A / 12kW | 2kA / 21kW(voltage mode) 2kA / 25kW(current mode) | |
| Wave shape | Pulse/+ — | Pulse/+ — | Pulse/+ — | |
| Control | Watt | Watt | Current/Operating Voltage | CS-8000 can measure arbitrary current point. When measuring parameters automatically, current control is useful. CS-3000 needs to search arbitrary current point with using search function (CS-800) |
| Output terminal | High current and high voltage terminal are divided. Cable change need if you switch between HC and HV mode | High current and high voltage terminal are divided. Cable change need if you switch between HC and HV mode | High current and high voltage terminal are same. No cable changing needed. | Fixture for CS-8000 has switch to change High voltage and High current. For CS-3k and CS-5k series you have to rewire if you change from HV to HC mode. |
| Gate voltage | | | | |
| Voltage range(Current) | ±20 V(500mA) | ±20V(500mA) | 40V(1A)-40V,20V,10V,5V,2V,1V | When oscillating 40V, CS-3k and 5k needs 20V signal plus 20V offset voltage. |
| Voltage window | ±40 V | ±40 V | ±40 V | |
| Current range(Voltage) | 2A(10V) | 2A(10V) | 1A(40V)-1A,500mA,200mA, 100mA ~ 5nA (2/1/5step) | |
| Control | Voltage/Current | Voltage/Current | Voltage/Current | |
| Wave shape | DC/Pulse | DC/Pulse | DC/Pulse/SIN | |

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

Lambda Photometrics Limited
 Lambda House Batford Mill
 Harpenden Herts AL5 5BZ
 United Kingdom
E: info@lambdaphoto.co.uk
W: www.lambdaphoto.co.uk
T: +44 (0)1582 764334
F: +44 (0)1582 712084

| | | | | |
|--------------------------|-----------------|-----------------|--|---|
| Preparation signal | N/A | N/A | CS-8000 can output gate pattern signal before measurement. User can set voltage and time and up to 3 steps are available |  |
| Option equipment | | | | |
| Thermal Streamer fixture | Option | Option | Option(Coming soon) | |
| Switch Matrix | Option(CS-700) | Option(CS-700) | Option(Coming soon) | |
| Hot plate | Option(PA-3040) | Option(PA-3040) | Option(PA-3040) | |
| System and Function | | | | |
| Display | 8.4inch TFT-LCD | 8.4inch TFT-LCD | 12.1inch TFT-LCD | |
| User interface | button and Knob | button and Knob | Touch Screen, Mouse, Keyboard button and Knob | |
| Interface | LAN | LAN | LAN | |
| Cooling system | Cooling Fan | Cooling Fan | Cooling Fan(Low noise type) | Noise of fan of CS-8500 is much lower than CS5200 |