

Selector Guide

Function/Pulse/Arbitrary/ Pattern Generators

	3390	3401/3402	4205-PG2	4200-PIV	2520
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Description	50MHz function, arbitrary waveform, pulse, noise, and pattern generation	Broad-purpose voltage pulse and pattern generation	Dual-channel pulse generator, for use with 4200-SCS	Complete pulse I-V solution, for use with 4200-SCS	Laser diode test system
Voltage Pulse	Yes	Yes	Yes	Yes	No
Current Pulse	No	No	No	No	Yes
Pulse Width	20 ns–2000 s	3 ns–1000 s	10 ns–1 s	40 ns–150 ns	500 ns–5 ms
Rise Time (min.)	5 ns	2.5 ns	10 ns	10 ns	100 ns
Voltage Source (max.)	10 V ¹ /20 V ²	10 V ¹	20 V ¹	5 V ¹	10 V
Current Source (max.)	200 mA	400 mA	800 mA ¹	100 mA	5 A
Pattern Mode	Yes	Yes	No	No	No
Integrated Measurements	No	No	No	Yes	Yes

	6221	6221/ 2182A	2601A/ 2602A	2611A/ 2612A	2430
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Description	AC/DC arbitrary waveform current source	Complete Delta Mode system with DC current source and nanovolt measurement capabilities	Combined DC/pulse SourceMeter® instruments	Combined DC/pulse System SourceMeter instruments	Ideal for measuring breakdown voltage of high power devices
Voltage Pulse	No	No	Yes	Yes	Yes
Current Pulse	Yes	Yes	Yes	Yes	Yes
Pulse Width	5 μs–DC	50 μs–12 ms	100 μs–DC	100 μs–DC	150 μs–5 ms
Rise Time (min.)	5 μs	50 μs			150 μs
Voltage Source (max.)	105 V	105 V	40.4 V	202 V	100 V
Current Source (max.)	100 mA	100 mA	10 A	10 A	10 A
Pattern Mode	No	No	No	No	No
Integrated Measurements	No	Yes	Yes	Yes	Yes

1. Specification applies to a 50Ω source into a 50Ω load.
2. Specification applies to a 1MΩ source into a 1MΩ load.