

SHOCK TOWER

PDST-230

Shock Testing System PDST-230

PDST-230 is a new shock testing system with compact design that is well suited for applying mechanical shock test to smartphones, tablets, computers and other mobile devices.

This new shock machine meets a wide range of requirements for shock testing and with a compact size is easily installed in various locations.

Features

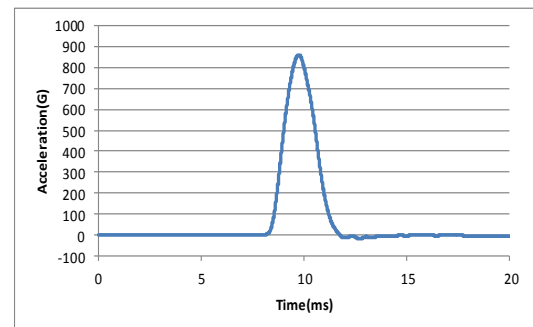
- Specialized for High Acceleration up to 30,000G
with Dual Shock Amplifier, HGP-150*
 - Compact Built (Body Height : 1800mm)
 - Safety Fence Included
 - High Reproducibility
 - Multi-shock pulse generator equipment as standard
 - Easy-to-Use Settings via touch panel controller
- *Specification of applicable shock pulse is still being confirmed.



PDST-230 body

Specification*1

Model	PDST-230
Table size	230 × 230 mm
Test sample weight	Up to 20 kg
Shock acceleration range (Standard)	10 to 1,000 G (with Multi-shock pulse generator)
(optional)*2	Up to 30,000 G (with HGP-150)
Pulse duration range (Standard)	3 to 20 ms (with Multi-shock pulse generator)
(optional)*2	0.2 to 1 ms (with HGP-150)
Velocity change range	3 to 15 m/s
Shock waveform	Half sine pulse
Test machine dimensions (W × D × H)	650 × 800 × 1800 mm
Test machine weight	Approx. 1500 kg
Electrical power supply	AC100-240V, 50/60 Hz, single phase
Air supply	0.8 MPa or more
Control system	Touch panel controller
Shock measurement system (optional)	Shock manager SM-500



Sample shock pulse



Shock Manager



HGP-150

*1 This model is still under development. Specifications on this catalog might change without prior notice.

*2 with application of optional dual shock amplifier model HGP-150.

Detailed specification of applicable shock pulse is still being confirmed.



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Shock Specification of PDST-230

Shock Testing System PDST-230

Multi-shock pulse generator^{*1}

Programmer No.	No.1	No.2
Peak acceleration (G)	10 to 120	50 to 1,000
Shock Duration (ms)	9 to 20	3 to 9

*1 Standard equipment selectable one of 2. Optional purchase if you need both.

Single Programmer^{*2}

Peak acceleration (G)	915 to 2,000	450 to 2,300	150 to 800
Shock Duration (ms)	0.5	1	3

*2 Optional for each programmers that fixed shock duration.

Dual Shock Amplifier HGP-150^{*3}

Peak acceleration (G)	10,000	30,000
Shock Duration (ms)	0.2	0.08

*3 Optional Amplifier Detailed specification of applicable shock pulse is still being confirmed.



HGP-150

Muti-shock pulse generator

Shock duration can generate various shock durations with the single programmer by changing the height of thickness of cushion programmer.



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