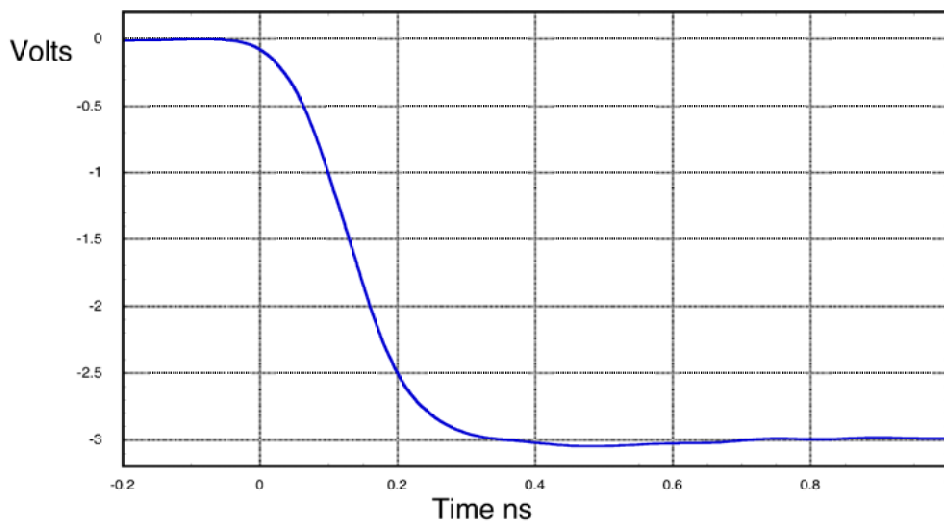




3 volt edge



Summary

- Adjustable output voltage step from 100mV to 10volts (5 volts to special order)
- Negative output only
- Repetition rates to 10kHz
- Internal or external triggering
- Sync. output in internal trigger mode
- Monitor output
- Two bias outputs -10 to +10 volts each - independently.
- Bias monitor points
- Lockable "digi-dial" controls

Applications

- Time domain reflectometry pulser
- Driving Fibre Optic modulators
- General purpose laboratory test gear
- Cable response time domain test pulse

See www.kentech.co.uk

SPECIFICATIONS

Output pulse width	>50ns
Output step transition time	Typically 186ps @ -3 volts output 290ps @ -8.5 volts output
Flatness	<±3% over first 50ns @ -3volts
Output step voltage range	-0.1 to -8.5 volts
Monitor output	Main output divided by 10. Not high fidelity
Trigger modes	Internal @ 10kHz or external up to 10kHz
Internal rate generator	10kHz
Sync. output	SD ~ 2ps
Bias outputs	Two independent channels -9 volts to +9 volts suitable to drive 1M
Bias monitors	Suitable to drive 10M
Power supply	External plug PSU 12volt 1.25 amps
Power consumption	<2 watts
Fuse	2 amps, 20mm

Indicators

Power	Green LED
Trigger input	BNC
Trigger indicator	Yellow LED

Physical

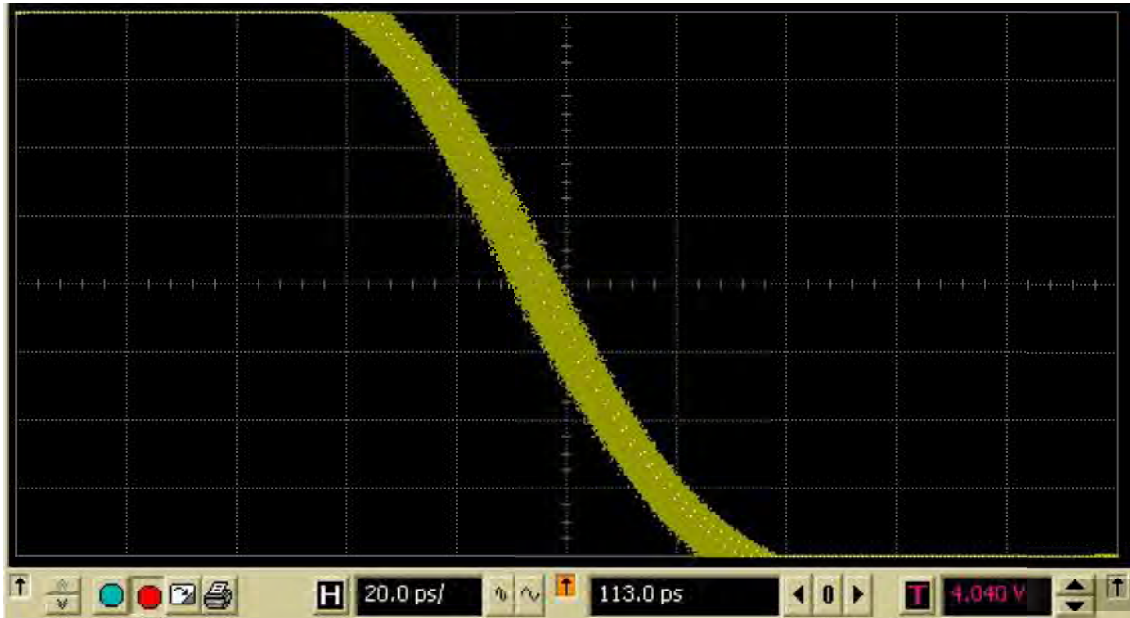
Size	222.1 x 145.9 x 55.9mm + connectors & controls
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Connectors

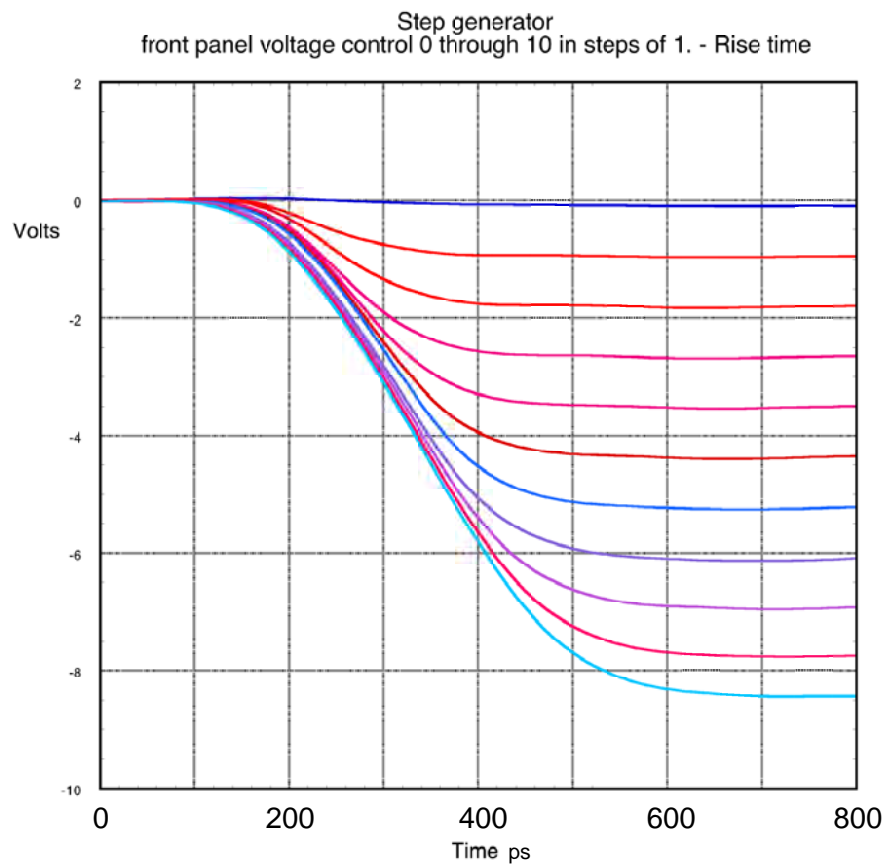
Main output	SMA jack
Monitor Output	SMA jack
Bias outputs	SMA jacks
Sync. output	BNC jack
Trigger input	BNC jack
Power	Lemo 0S 250 CTL jack

See www.kentech.co.uk

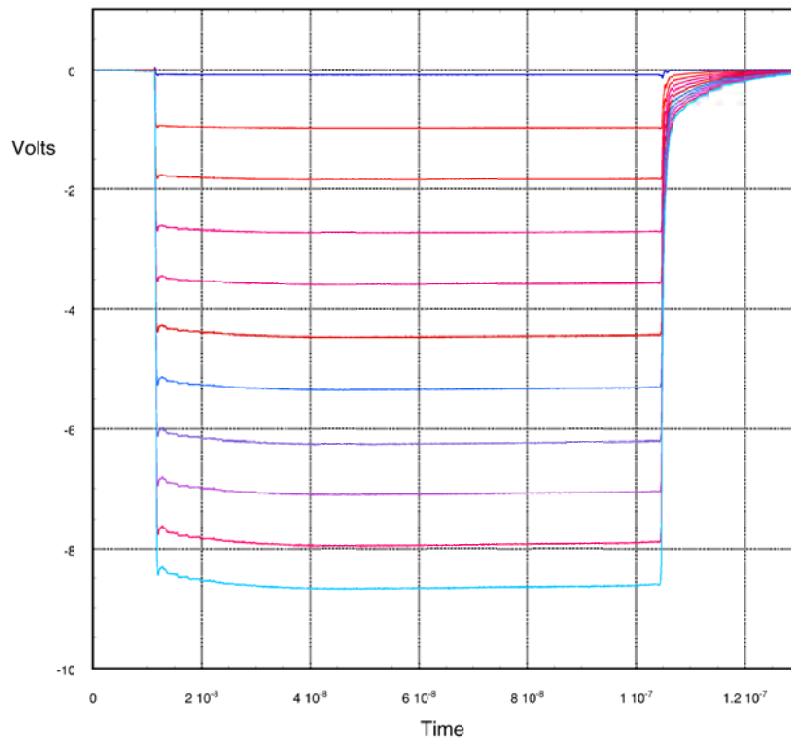
Typical data



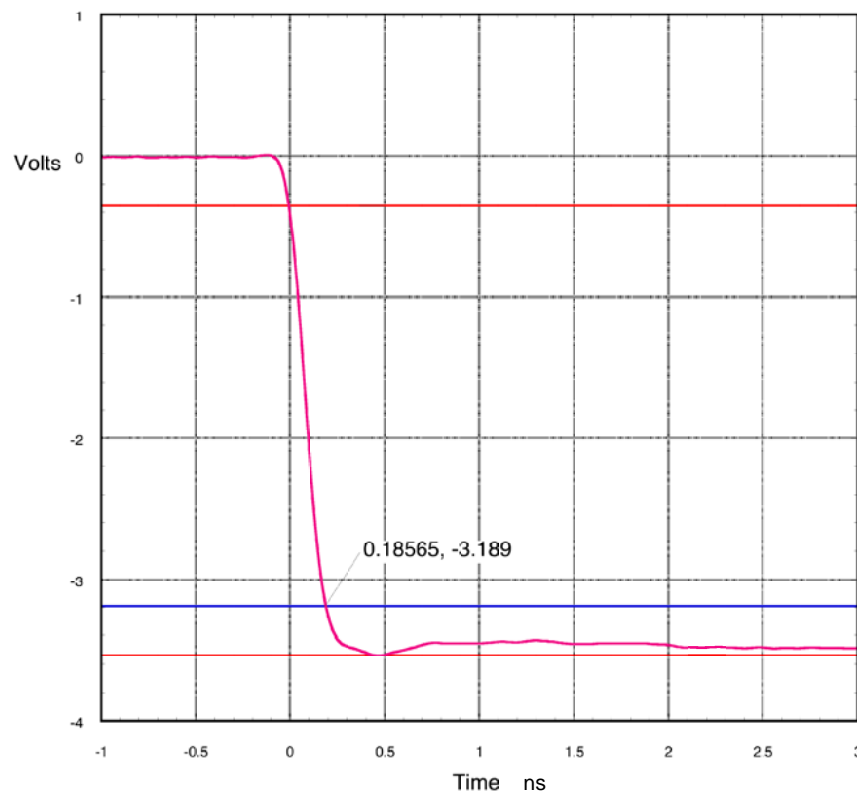
Jitter over 6kk measurements @ 10kHz. Peak to peak 10.88ps, Standard Deviation 1.66ps



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Step generator Fall time - dial at 4
Fall time 10 to 90% = 186ps



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