



TELCO TESTING SOLUTIONS NEWSLETTER

Telco Testing Solutions LLC

Volume 1 Issue 1
Sept 30th 2009

Testing High Current and High Voltage Automotive Semiconductor Devices 400 Amp Pulse Generator

Telco Testing Solutions has added a 400 AMP, 50 Volt Pulse Generator to its line of test equipment. The PG400 Pulse Generator has constant current and constant voltage modes and can produce pulses from 10 microseconds to 10 milliseconds with adjustable slew rates.

The user can select from multiple sense configurations, local sense and two remote sense options. Programmable current and

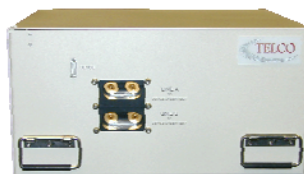
voltage limits provided.

The measurement system can acquire both voltage and current values up to 250K samples per second during the pulse and provide all the samples as well as voltage and current minimum, maximum and mean values back to the controller.

The pulse can be triggered either from the controller or from an external input. This Pulse Generator is ca-

pable of interfacing with industry standard testers.

Availability in Q4 09.



Telco Testing PG400

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Constant Current Characteristics

Output Current:	0 to 400 Amps	Datalog:	Voltage and Current
Pulse Width	10 us to 10 ms	Calculations:	Average, Mean etc
Rise Time Adjustable	0.4 to 40 Amps/us		
Fall Time Adjustable	0.4 to 40 Amps/us		
Voltage Limit:	0 to 50 Volts		
Duty Cycle	10%		
Output Polarity	Switchable		

TELCO PRODUCTS



TELCO SERVICING OVER 1000 TESTERS WORLDWIDE

In the early years of this decade Telco Testing Solutions was born out of Motorola Manufacturing Systems (MMS). MMS had been the in-house equipment test manufacturing solutions company that Motorola developed internally for low cost, high reliability automotive and mixed signal testing. The family of testers developed continue to be a strategic element of semiconductor

manufacturers' product test portfolios.

Telco Testing Solution's headquarters are based in Phoenix Arizona USA, from where product development and worldwide service and support of over 1000 testers is managed.

Telco is now able to offer their low cost of test products to the rest of the world's semiconductor

market.

The backbone of the company's low cost test solutions are based on the near zero footprint MiST mixed signal tester and PFT parametric functional tester.

A significant portion of the installed base is in Asian facilities, at both IDM and Sub-contractor facilities new device products.

MiST Logic Mixed Signal Tester

Mixed Signal Tester 64 Digital Pins

24 Analog Pins +/-100v, 0.5A

8 Power Analog Pins@ 65V, 20A



With over 350 MiST testers currently in the field Telco has the lowest cost of test in the highly competitive mixed signal segment of the automotive market.

With continuous improvement programmes along with multi site testing Telco aim to stay at the forefront of low cost testing.

The MiST is compatible with both probe floor and Final test standard probers and handlers. It has been used to optimize the newly developed 400A PG400 module that Telco believe will become the standard low cost of ownership solution for high current and high voltage device testing for the automotive market.

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Next time:

**Parametric testing and
Multi site test programming**



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