

New Product Announcement by Barth Electronics

This announcement is to inform ESD designers responsible for CDM development that the Barth Model 4012 CDM type TLP system has the pulses we promised to deliver and will soon be available to analyze your circuits. The industry will soon be able to gather precision data on their CDM circuit designs with faster pulses and more accurate data collection than has ever been possible before.

The Model 4012 CDM-TLP prototype system is now producing pulses with less than 100 ps risetime. Now that this difficult part of the design is complete, we can announce that it is in production and we are ready to receive advance orders. This TLP system will have a complete selection of pulse width and risetime as described below.

Specification	Value	Selection Method
Pulse Width	1 nS, 2 nS, & 5 nS	Software
Pulse Risetime	100pS, 200pS & 400pS	Software
Peak Pulse Current	20 Amps	Step Size

The key advance in this technology has been the development of an extremely fast (30 ps) coaxial current sensor, combining this with our precision pulse generator and with our existing 30 ps risetime voltage sensor will provide the best matching data possible for measurements on CDM circuits and designs. Our unique ability to measure both coaxial current and voltage waveforms as fast as can be produced will make the precision of this system unmatched for many years to come.

This completely new system has been under development for two years and now that the critical component designs are finished we can estimate production delivery schedules and prices. The 4012 TLP system promises to be as successful as the 4002 has been. We will be offering to test your devices at our facility as soon as the second unit is completed and available for in-house testing. Our ability to produce controlled risetime fast and slow pulses with complete software selection of parameters is unequalled in the ESD testing industry. Testing packaged devices will be offered initially, soon to be followed by testing of individual circuit elements on wafer. The same HBM design successes our customers have had with the 4002 HBM type TLP system will soon be available with our Model 4012 CDM type TLP system. Ask for a quote, and also ask about TLPSoft developed by Sarnoff.

We didn't invent TLP; We're just making it a precision design tool!

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