Recommended electronic design, manufacturing and service solutions

Fluke and Tektronix offer a broader line of solutions for electronics professionals than we can show you here. Go to www.fluke.com/electronic or www.tek.com/embedded for detailed information on these products and more Fluke and Tektronix electronic solutions.

Precision digital multimeters	Mixed-signal oscilloscopes (MSO)	Digital phosphor oscilloscopes (DPO)	Portable oscilloscopes
<text><list-item><section-header><section-header><section-header></section-header></section-header></section-header></list-item></text>	 Best suited for: Mixed signal design and debug Viewing and analyzing time-correlated analog and digital signals Parallel bus analysis such as I²C, SPI, CAN, LIN, FlexRay and RS-232/422/485/UART Troubleshooting, debugging and validating circuits and sub-assemblies Applications: Field programmable gate arrays (FPGA), system-on-a-chip (SOC) devices, mixed signal and digital circuits and sub-assemblies 	 Best suited for: Analog waveform analysis Parallel bus analysis Serial bus analysis such as I²C, SPI, CAN, LIN, FlexRay and RS- 232/422/485/UART Troubleshooting, debug- ging and validating circuits and sub-assemblies Quality control station testing and debugging Applications: System-on-a-chip (SOC) devices, analog and digital circuits and sub-assemblies 	Best suited for: • Field installation and troubleshooting of electronic systems. Security systems, communication systems, industrial electronic systems, medical imaging
	and sub-assemblies		
Thermal imagers			
 Handheld inspection of printed circuit boards (PCBs) and electronics cooling systems (limita- tions on temperature measurement accuracy of small components may apply) 			
Applications:			
Design, troubleshooting, and portable quality control inspection	Signal sources	General-purpose osci	illoscopes
	 Best suited for: Replicating sensor signals and simulating missing system inputs Functional verification, characterization and stress testing electronic designs 	Best suited for: • Analog waveform analysis • Visualizing pass/fail testin • General test and debug Applications: Analog and digital circuits, V amps feedback circuits, swi	rg VCOs, op tching
	 Stimulating electronic and electro-mechanical 	power supplies, rectifiers	tering
Handheld digital multimeters	devices		
 Best suited for: Component-level troubleshooting of electronic circuits 	Applications: Analog, digital and mixed signal circuits and components	Tektronix [®]	FLUKE ®
Applications:		USA 1 (800) 426-2200 P	O Box 9090, Everett, WA 98206 U.S.A.
Voltage and current references, power supplies, critical passive components (resistors, inductors)		For other areas: 1 1 (503) 627-7111 F www.tektronix.com I I F	n the U.S.A. (800) 443-5853 or fax (425) 446-5116 n Europe/M-East/Africa +31 (0) 40 2675 200 or fax +31 (0) 40 2675 222 n Canada (800)-36-FLUKE or fax (905) 890-6866 form other equation 11 (425) 446 5500 cr

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nufacturing and service



ktronix solutions for electronic design, ng and service professionals

igning the next award winning electronic products or manufactur--free electronic modules constantly look for more performance out of esign, troubleshooting and test equipment.

ronix design and manufacture premium quality instruments that ssionals can depend upon throughout the design, manufacturing and b. Not only do these instruments set the standard for performance, ate features like large, easy-to-read screens, straightforward user hall footprints that deliver results quickly and easily.



Embedded design engineer

Focus: Designing, building and testing concepts and prototypes

What issues do you face?

- Analyzing and optimizing complex analog and digital signals
- Serial and parallel bus design
- Simulating real world signals
- Minimizing cost and schedule, while maximizing performance

Solutions:

- Precision digital multimeters
- + Handheld digital multimeters
- Mixed-signal oscilloscopes (MSO)

Signal sources

Thermal Imaging

Manufacturing test engineer

Focus: Designing and maintaining production test systems

What issues do you face?

- Ensuring that manufactured products meet their design specifications
- Circuit and sub-assembly testing and verification
- Continuous improvement of production yield, throughput, and product reliability

Solutions:

- Precision digital multimeters
- Signal sources
- Seneral-purpose oscilloscopes
- Digital phosphor oscilloscopes (DPO)

Electronic design, manufacturing and service solutions from Fluke and Tektronix



Diagram is not an exact physical representation. Diagram elements are not to scale and are for illustration purposes only.

Precision digital multimeters	Signal sources	Mixed-signal oscilloscopes (MSO)	Digital phosphor oscilloscopes (DPO)	General-purpose oscilloscopes	Portable oscilloscopes
Fluke 8845A/8846A 6.5 digit Precision Multimeters	Tektronix AFG3000 Series	Tektronix MSO Family	Tektronix DPO Family	Tektronix TDS Family	Fluke ScopeMeter® Test Tools Tektronix TPS Fam

Manufacturing technicians

Focus: Finding, diagnosing and troubleshooting problems with manufactured goods

What issues do you face?

- Maximizing production yield and throughput
- Minimizing disruption to the manufacturing process flow
- Troubleshooting complex circuits to the component level

Solutions:

- Precision digital multimeters
- + Handheld digital multimeters
- Signal sources

Seneral-purpose oscilloscopes

Service technicians

Focus: Service, installation and maintenance

What issues do you face?

- Commissioning and installing complex integrated electronic systems
- Minimizing downtime, troubleshooting breakdowns or interruptions
- System installation and maintenance

Solutions:

- + Handheld digital multimeters
- O Portable oscilloscopes

