

TEKTRONIX

TDS3TRG

The Tektronix TDS3TRG is an Advanced Trigger Module designed for TDS3000 and TDS3000B series oscilloscopes. It adds powerful logic and pulse triggering capabilities directly to the host oscilloscope's menu system, enabling comprehensive troubleshooting of digital logic systems, synchronous state machines, and high-speed transceivers.

SPECIFICATIONS

General

Interfaces	Proprietary plug-in interface for TDS3000/TDS3000B application module slots
Display	Integrates directly with host oscilloscope's display and menu system

Physical

Power Supply	Powered by host oscilloscope mainframe
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General Specifications & Compatibility

Module Type	Advanced Trigger Application Module
Host Mainframe Compatibility	Tektronix TDS3000 and TDS3000B Series Oscilloscopes
Required Slot Count	1 application module slot

Triggering & Sequence Control

Logic Trigger Modes	Pattern, State
Pulse Trigger Modes	Pulse Width (or Glitch), Runt Pulse, Slew Rate
Pattern Trigger Operators	AND, OR, NAND, NOR
Pattern Trigger Parameters	Time constraints and signal threshold levels
State Trigger Conditions	Triggers when a state signal is true or false at the time a clock signal transition occurs
Pulse Width Trigger Conditions	Less than, greater than, equal to, or not equal to a specified pulse width
Runt Pulse Trigger Conditions	Triggers when a signal pulse fails to cross both thresholds; includes optional runt pulse-width parameters
Slew Rate Trigger Conditions	Rise or fall time is less than, greater than, equal to, or not equal to a specified slew rate

Application-Specific & Extension Functions

Primary Diagnostic Applications	Digital logic debugging, synchronous state machine analysis, bus-contention troubleshooting, transmission line analysis, and digital bus transceiver testing
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TECHNOLOGY

Oscilloscope Hardware Extension Module

APPLICATIONS

Digital Logic Troubleshooting and Signal Integrity Analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.