

## ***Scope Software Options Aid Power Management Debug***

Offered as software options for [Teledyne LeCroy](#) oscilloscopes, the SMBus TD and TDME options enhance power management debug. The SMBus Trigger, Decode, Measure/Graph and Physical Layer (TDME) solution provides high-performance triggers, transparent color-coded decode overlays, protocol tables, and search capabilities, Measure/Graph capability with automated measurement and graphing tools, and eye diagram capability for physical-layer signal assessment and debug.

SMBus TDME features include:

- Support of triggers on standard SMBus Command Protocols with or without PEC
- Trigger support for ARP, SMBALERT#, and PEC errors
- Trigger and decode that are unaffected by clock stretching
- Provision for complex triggering with defined address, R/W (direction), command code, and data.
- Conditional data definition (<, <=, =, >, >=, <>, INRANGE, OUT of RANGE)
- Use of analog or digital (MSO) inputs for acquisition and triggering
- Intuitive, color-coded decode overlays
- Interactive protocol table with zoom and pattern search
- Automated timing measurements
- Serial data extraction to an analog value (serial DAC) with waveform graphs
- Eye diagrams with failure location.

The SMBus TDME solution is compatible with the following series of instruments: WaveRunner 9000 oscilloscopes, WaveRunner 8000HD high definition oscilloscopes, WavePro HD oscilloscopes, HDO6000A high definition oscilloscopes, MDA 8000HD motor drive analyzers and WaveRunner 8000-R low-profile oscilloscopes. For more information, see the SMBus TDME [page](#).