

APPLICATIONS

- Biomechanics
- Pre-tensioner testing
- Passive safety testing
- Active safety testing
- Ride & handling
- Squib fire

SLICE PRO CAN FD

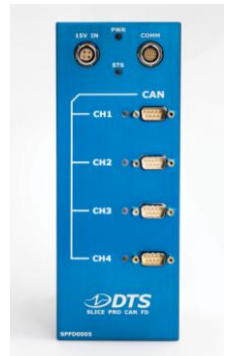
Controller Area Network Bus Recorder



Reliably record CAN FD bus signals during crash tests with the SLICE PRO CAN FD. The unit integrates seamlessly with all DTS data acquisition systems or operates as a standalone device, delivering maximum flexibility.

The SLICE PRO CAN FD is a rugged data recorder engineered to capture CAN Bus signals during crash tests. It records and time-synchronizes up to four independent CAN/CAN FD channels at data rates up to 8 Mbps per channel. Designed for integration flexibility, the SLICE PRO CAN FD functions as a standalone recorder or integrates seamlessly into a distributed onboard data acquisition system, making it ideal for advanced vehicle safety testing and complex in-vehicle network validation.

Each unit records and time-synchronizes up to four independent CAN FD channels at speeds up to 8 Mbps per channel.

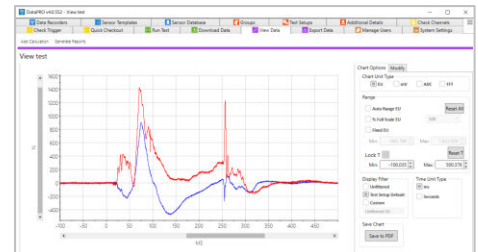


Features

- Four independent, isolated, programmable CAN FD Buses
- Backwards compatible with CAN 1.0A/B & CAN 2.0A/B
- Software programmable data rates
- Configure with ethernet communication via SLICE PRO Distributor and DataPRO or web browser
- Shock rated to 100 g
- Built-in two-hour battery with automatic charging circuit
- LED indicators for channel and module status

Software

The unique CAN FD web interface offers a full-featured user interface for tracking sensor information, creating test objects and test setups, performing diagnostic routines, and running tests.



Specifications

PHYSICAL

Size:	235 x 90 x 130 mm
Mass:	3.5 kg
Connectors:	D-Sub and Lemo

ENVIRONMENTAL

Operating Temp.:	-20°C to 70°C (-4°F to 158°F) Battery charging only at 0°C to 45°C
Humidity:	95% RH non-condensing
Shock:	100 g, 12 msec half sine

CAN BUS CHANNELS

Number:	Up to 4 independent channels per module
Protocols:	CAN FD, CAN 1.0A/B, CAN 2.0A/B, SAEJ1939
Speed:	Programmable up to 8 Mbps
Signal:	Isolated, differential, 5V

EVENT INPUT

Trigger:	15V, EMI, RFI, and ESD protection
Multiple Modules:	Event input may be connected in parallel across several modules

DATA RECORDING

Modes:	Recorder
Memory:	30 GB pSLC NAND flash with ECC & automatic block wear-leveling
Sample Rate:	User-programmable up to 8 Mbps

POWER

External Voltage:	9-15 VDC
Maximum Power:	14 W
Protection:	reverse current and transient over-voltage & under-voltage protection

INTERNAL BATTERY

Type:	Lithium Polymer with built-in charger.
Run Time:	Up to two hours fully armed
Recharge Time:	6-7 hours from fully discharged
Certification:	UN 38.3

SOFTWARE

Control:	Web Interface and DataPRO
Operating Systems:	Windows® 10/11 (32/64-bit)
Communication:	Ethernet 10/100M

CONTACT US

Phone: +1 562 493 0158
Email: sales@dtswb.com
Web: www.dtswb.com

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