The SLICE PRO SIM is available with either 9 or 18 (as shown) fully-programmable sensor input channels that provide power and signal conditioning to support a variety of external sensors.

SLICE PRO is a complete modular data acquisition system that supports sensor inputs, airbag squib fire, trigger distribution, digital inputs & more. Designed for extreme test environments, data writes directly to flash memory.

Software

DTS offers two powerful software options for SLICE PRO. SLICEWare provides fast, easy tools for storing sensor information, performing data collection, viewing and exporting data. DataPRO is a fully-featured software package with a comprehensive database and user interface for tracking sensor information, creating test objects and test setups, performing diagnostic routines, and conducting tests. Both software packages offer the most advanced self-diagnostics, plus support for EQX, ISO MME and many other data exchange file formats.
Specifications

**SLICE PRO SIM (Sensor Input Module)**

- **Description:** Data acquisition module
- **Channels:** 9 or 10 channels
- **Size:** 52 x 90 x 80 mm
- **Mass:** 726 g (26 oz)
- **Sensor Connectors:** LEMO 1B or Tajimi rectangular

Insertion and removal tool available

**SLICE PRO Ethernet Controller**

- **Description:** Interface for start, status, event, power and 10/100 Ethernet communication signals
- **System Capability:** Each Controller supports up to 72 channels and provides interconnection compatibility with additional SLICE PRO systems, TDAS PRO & TDAS G5 systems. Hundreds of channels can be combined in one setup.

- **Start/Trigger Input:** Start: 5 V active high
  - Trigger: Fully isolated contact closure with nominal 20 V open circuit voltage
- **Size:** 26 x 90 x 80 mm
- **Mass:** 305 g (15 oz)
- **Connectors:** COM: LEMO 2B 19-pin, Power: LEMO 2B 4-pin

Note: Ethernet Controller “COM” ports are compatible with TDAS PRO and G5 COM ports

**SLICE PRO USB Controller**

- **Description:** Simple connections for start, status, event, power and USB 2.0 communication signals.
- **System Capability:** Supports up to 72 channels
- **Start/Trigger Input:** Contact closure, also compatible with 5-volt logic signals, active low.
- **Size:** 52 x 90 x 80 mm
- **Mass:** 454 g (16 oz)
- **Connectors:** COM: USB B-Type, Power: LEMO 2B 4-pin

**INTERNAL BATTERIES (ALL MODULES)**

- **Type:** Lithium Polymer with built-in charger.
- **Run Time:** One hour fully armed, all channels in use with 5 V excitation (40 min. with 10 V excitation)
- **Recharge Time:** 3-4 hours

**POWER**

- **Supply Voltage (SIM):** 9-15 VDC; Note: 12-15 VDC required for charging internal battery
- **Power (Maximum):** 15 W per 18-channel unit with 350 ohm loads and battery charging
- **Power Control:** Push button, not impact critical
- **Protection:** Reverse current, ESD

**START & TRIGGER OPTIONS**

- **Level Trigger:** Positive or negative level on any active sensor channel (first level crossing of any programmed sensor triggers system)
- **Software Trigger:** Data collection may be started or triggered via software

**ENVIRONMENTAL**

- **Operating Temp.:** 0 to 60°C (32 to 140°F)
- **Humidity:** 95% RH non-condensing
- **Shock:** 100 g, 12 msec half sine

**COMPATIBLITY**

Using DataPRO Software, SLICE PRO is compatible with both TDAS PRO and TDAS G5 hardware, making it easy to expand system features and channel counts.

**SERVICES**

24/7 Worldwide Tech Support
ISO 17025 (A2LA) Calibration
On-site Calibration & Training
Application Consulting
Software Integration
OEM/Embedded Applications

**WORLDWIDE SUPPORT**

HELP CENTER (24/7/365 Access)
DTS Technical Centers
Global Sales Partners

**HEADQUARTERS**

Seal Beach, California USA

**CONTACT US**

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

Specifications subject to change without notice.
© Diversified Technical Systems, Inc.

Additional SLICE PRO modules also available – see website for details.