

Transportable Data Acquisition Device





Product Brochure | EN



The MadgeTech Titan S8 is a portable, multi-use industrial data logger with eight probe channels and a user-friendly touchscreen interface. This versatile logger supports thermocouple, RTD or thermistor probes to measure current, voltage, temperature and pulse in real time. This adaptability and power make Titan S8 the perfect companion for any industrial engineer, quality assurance professional, compliance officer or automotive technician.

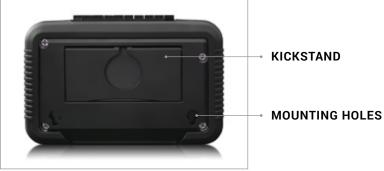
Part of the Titan S8's might comes from its independence. Unlike many data loggers, the Titan is a complete, all-in-one solution that does not require a PC or any downloaded software for operation. This means the device is truly ready for use at a second's notice and will never leave users waiting because of upload times or a frustrating software interface.



FEATURES

The entire Titan S8 device is handheld, meaning powerful data measurement, equipment validation and process monitoring can travel wherever they are needed inside or outside of any facility. Titan S8 is a powerful and flexible as you need it to be at any time, for any application.





VERSATILITY

Perfect for those with a variety of responsibilities or validation tasks, the handheld Titan S8 provides dynamic, customizable solutions including programmable channel configurations, user-configurable engineering units and alarms for benchmark or undesirable readings. Any user-created settings can be stored within the logger, saving time and eliminating the need for constant reprogramming.



HVAC PERFORMANCE

- Room / Ambient Temperature
- Duct Temperature
- Air Flow & Pressure



ENERGY AUDITS

- Current/Voltage Fluctuations
- Energy Consumption
- Machine Run Time



AUTOMOTIVE SAFETY ENGINEERING

- Heat & Energy Transfer
- Material Processes
- Electrical Systems Analysis



ELECTRONIC MANUFACTURING

- Production Equipment Monitoring
- Temperature Stability
- Voltage & Current Troubleshooting



PLANT/FACTORY PERFORMANCE

- Diagnose Power Issues
- Electrical Infrastructure Monitoring
- Optimize Performance



LABORATORY & LIFE SCIENCES

- Equipment Validation
- Temperature Mapping
- Process Verification



INDUSTRIAL EQUIPMENT REPAIR

- Thermal & Electrical Diagnostics
- Verify Successful Repair
- Routine Maintainence



FOOD SAFETY

- Oven Mapping
- Process Monitoring
- HACCP Compliance

TECHNOLOGY

The unprecedented data acquisition power of the Titan S8 comes from its incredible versatility. This single device is compatible with a variety of the most commonly used probe types and can be configured to measure a wide range of key factors.



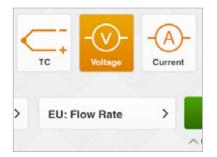
8 INPUT CHANNELS Manage a variety of incoming data to study energy transfer and machine performance.



USB DATA DOWNLOAD Extract data instantaneously for upload and analysis.



1GB INTERNAL MEMORY Store up to 100,000,000 readings.



ENGINEERING UNITS Program Titan S8 to accept any units of measure.



NO REQUIRED SOFTWARE Analyze data in Microsoft Excel without the need for additional software.



RECHARGEABLE BATTERY Rechargeable lithium battery designed to provide longer lasting power per charge.

SENSOR TYPES













RTD

THERMOCOUPLE VOLTAGE

CL

CURRENT

THERMISTOR

PULSE

USER INTERFACE

The Titan S8's easy-to-use interface allows users to view real-time data, including automatically generated graphs, in full color to enable in-the-moment analysis and decision-making.



SPECIFICATIONS

Specifications subject to change without notice. Specific warranty remedy limitations apply.

GENERAL

Number of Channels	100,000,000 readings, 1 GB	Dimensions	6.65 in x 4.40 in x 1.41 in (168.9 mm x 111.8 mm x 35.8 mm)
Operating Environment		Enclosure Material	PC / ABS Enclosure, TPE Protective Boot
		Weight	1.3 lbs (20.8 oz)
Battery Type	Rechargeable 3.7 V Lithium Ion Battery Pack	IP Rating	IP20
Battery Life	Continuous On-Screen Sampling: 14 hours Stand-by Monde: 100 hours	Approvals	CE

0-24 MA	TEMPERATURE NT	C-1 (2252)	INTERNAL TEMPER	ATURE
Resolution 16 bit	Resolution	0.05 °C	Resolution	0.01 °C
Accuracy 0.10%	Accuracy	0.50%	Accuracy	0.25 °C
0-50 MV	TEMPERATURE NT	C-2 (10K)	FREQUENCY / PULS	SE
Maximum Voltage 5.2V	Resolution	0.05 °C	Maximum Count	4,000,000,000
Resolution 16 bit	Accuracy	0.50%	Maximum Frequency	4 KHz
Accuracy 0.109	TEMPERATURE PT-	100 - 3 WIRE	Input Signal	0 V - 5 V
0-10 V	Resolution	0.01 °C		
Maximum Voltage 25 V	Accuracy	0.1 °C		
Resolution16 bitAccuracy0.10%Input Impedance125 k	TEMPERATURE PT- Besolution	0.01 °C		

THERMOCOUPLE

ТҮРЕ	RANGE	RESOLUTION	ACCURACY
Type J	-210 °C to +760 °C	0.1 °C	±0.5 °C
Туре К	-270 °C to +1370 °C	0.1 °C	±0.5 °C
Туре Т	-270 °C to +400 °C	0.1 °C	±0.5 °C
Туре Е	-270 °C to +980 °C	0.1 °C	±0.5 °C
Type R	-50 °C to +1760 °C	0.5 °C	±2.0 °C
Type S	-50 °C to +1760 °C	0.5 °C	±2.0 °C
Туре В	+50 °C to +1820 °C	0.5 °C	±2.0 °C
Type N	-270 °C to +1300 °C	0.1 °C	±0.5 °C

MadgeTech is committed to the highest standard of customer service. Every MadgeTech data logger comes with a 1 year parts and labor guarantee. In the unlikely event of there being a problem, MadgeTech customer service will collect, repair and return the device.

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