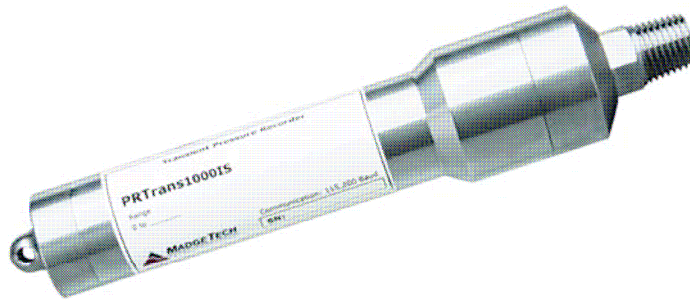


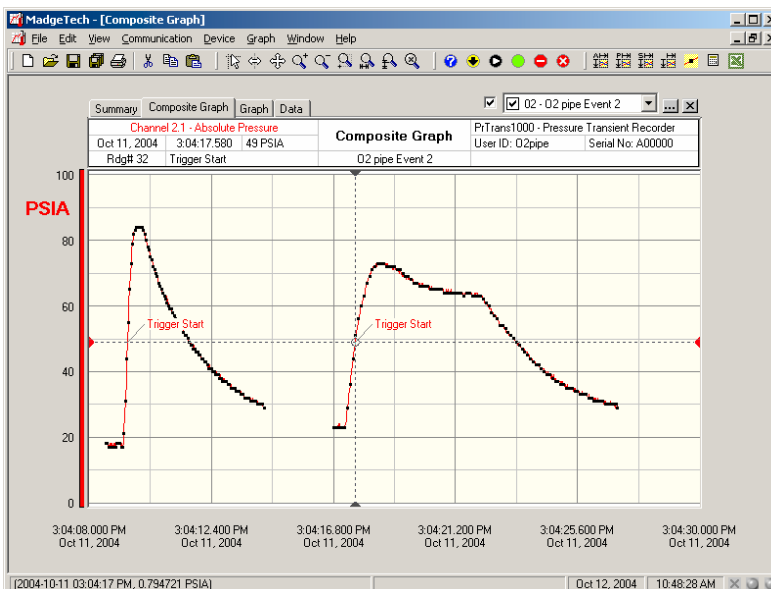
**PST-PRTRANS1000IS**  
INTRINSICALLY SAFE TRANSIENT PRESSURE DATA LOGGER

It is an all too common paradox: you need to capture transient events at a high sample rate but the events of interest are erratically spread over a long period of time. The PRTrans1000IS is the pressure recorder to solve your problems. It samples up to 100Hz (10ms) but it will only trigger on pressure limits that you set

beforehand. You can start the trigger on high and/or low thresholds and end the trigger after either a chosen number of samples, or when the signal crosses over your stop threshold. The device can record up to 255 events and take as many as 262,143 pressure samples. The recorder also shows up to 32 samples of "pretrigger" data so you might learn what caused the trigger in the first place. The PRTrans1000IS has been Factory Mutual certified as intrinsically safe for Class I, Division 1, groups A, B, C and D and non-incendive for Class I, Division 2, groups A, B, C and D. This certification makes the device ideal for uses in hostile environment applications. The PRTrans1000IS is a battery operated unit with a standard 1/4" NPT for easy coupling to your pressure systems. The non-volatile memory will retain your valuable data even if the user-replaceable battery becomes discharged. The PRTrans1000IS: your solution to the transient pressure problem.

**Data Recorder Software**

displays pressure data in an easy to use graph. The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.



**Order Fax: 02 8572 9496**  
**Online: [www.pacificsensortech.com.au](http://www.pacificsensortech.com.au)**

**PRTRANS1000IS SPECIFICATIONS**

**Pressure Sensor:** Semiconductor strain gauge **Reading Rate:** 1 reading every 10ms to 1 every second  
**Pressure Range:** 0 to 30, 100, 300, 500 PSIA/G;  
0 to 1000, 5000 PSIA  
**Calibration:** Digital calibration through software  
**Pressure Resolution:** 0.02, 0.1, 0.2, 0.5 PSIA/G; 1.0, 5.0PSIA **Calibration Date:** Automatically recorded within device  
**Calibrated Accuracy:** 2%FSR, .25% @ 25°C typical **Battery Type:** 3.6V lithium battery included;  
**user replaceable**  
**Pressure Response Time:** 0.1ms (10 to 90%FSR) **Battery Life:** 3 days continuous @ 10ms sample rate  
**Repeatability:** ±0.5%FSR; ±0.2% typical **Shelf Life:** Up to 1 year when device is not in use  
**Adaptor:** 1/4" male NPT **Data Format:** Date and time stamped PSIA(G), inches, feet,  
mmHg, bar, Torr, kPa  
**Trigger Modes:** Software programmable window size  
or bi-level start/stop triggers.  
**Computer Interface:** P C serial or USB (interface cable required);  
115,200 baud  
**Start Modes:** Software programmable immediate  
start or delay start up to seven days in  
advance  
**Software:** Windows 95/98/ME/NT/2000/XP based  
software  
**Operating Environment:** -40 to +80°C, 0 to 100%RH  
**Real Time Recording:** May be used with PC to monitor and  
record data in real time **Dimensions:** 6.4" x 1.25" dia. (163mm x 32mm dia.)  
**Memory:** 262,143 samples **Weight:** 12 oz (340 g)  
**Number of Events:** Up to 255 triggered events **Material:** Stainless Steel  
**Pre-trigger size:** Up to 32 samples **Approvals:** CE  
FM Certified Intrinsically Safe for Class I,  
Division 1 groups A, B, C and D

**SOFTWARE FEATURES**

**Multiple Graphs:** Simultaneously analyze data from  
several units or deployments; easily  
switch to a single data series  
**Statistics:** Calculate averages, min, max, standard  
deviation, and mean kinetic temperature  
with the touch of a button  
**Graphical Cursor:** One click displays readings by time,  
value, parameter or sample number  
**Export Data:** Export data in a variety of common formats, or  
switch to Excel with a single click  
**Data Table:** Instantly access tabular view for  
detailed dates, times, values, and  
annotations  
**Calibration:** Automatically calculate and store calibration  
parameters  
**Scaling Options:** Autoscale function fits data to the  
screen, or allows user to manually  
enter their own values  
**Logger Configuration:** Easy set up and launch of data loggers with  
immediate or delayed start, preferred sample  
rate, and device ID  
**Formatting Options:** Change colors, line styles, plotting  
options, show or hide channels quickly  
**Communications:** Automatically sets up communications port, or  
lets user select configuration

**By phone**

QLD/NSW/ACT/NT/WA: P: 07 3893 3087 M: 0423 915 077  
VIC/SA/TAS: P: 03 9887 1716 M: 0419 510 704  
New Zealand / Pacific: P: +61 3 9887 1716 M: +61 419 510 704

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