

## Data Trap™ Specifications

### High Performance Transducers (Models TQ, and TQP)

#### Internal High Resolution-High-Accuracy Quartz Pressure Gauge

Full Scale Pressure: 5K, 10K, 20K

Resolution: 0.01 psi

Accuracy: 0.01% FS

Calibrated Temperature Range:

-40° to 85 °C

Pressure connection: F-375-C Autoclave, WECO, NPT, Coiled Tubing.

### Optional Transducers & Inputs

#### Auxiliary Integral Pressure Transducer (included with GP, TQP models)

Full Scale Pressure: 1K- 15K psi

Calibrated Temp Range: -10°C - 85°C

Standard Accuracy 0.2% FS (0.03% -

0.06% FS available on certain ranges)

Resolution: FS range dependent. 18 bit

A/D input (0.0007% FS 3K psi)

Pressure connection: F-375-C Auto-

Clave, NPT, 3/8" Slimline

#### RTD Temperature Probe Kit

#### Turbine Meter Flow Kit

#### DP Flow

Supports many different sensors

Custom configurations available on request

### Display and Keypad

#### Extended Temperature LCD Display

Configurable display screens

Security: Password protection

#### 3-Key Magnetically Coupled Keypad

### Inputs

#### Analog

(1) 0-5V (9-18V excitation)

(2) Selectable 0-5V, ±5V, 0-10V

(4) 4-20ma current loops (9-18 VDC loop power provided)

Resolution: 18 Bits

### Input Terminations

Internal screw terminal block or optional harness assembly

### Outputs

#### (1) Alarm Relay

(1) Form C relay (2 A @ 30V DC 0.5 A @ 125VAC)\*

4-20 ma signal repeater/transmitter

### Communications

#### Serial

(1) Standard RS-232 port

Auxiliary comm port (optional)

Data Rate: 56K

#### Cell Network

Satellite and Internet access

### Data Logging

#### (applies to all inputs)

##### General

Independently sample each channel using: start time, stop time, sample on interval, sample on value, sample on difference.

Sample interval: 1 second to years

Sample time resolution: 0.5 second

Maximum sample rate: 1s/sec

##### Data Storage

128 MB Compact Flash Card (up to 2 GB)

Capacity: 1,200,000 measurements

(128 MB)

Data format: Time stamped Ascii text.

##### Data Retrieval

Removable Compact Flash Card

Serial via Cable, Cell, or Satellite

Internet server via Satellite

### Environmental

#### Operating Temperature

-30 °C to +70 °C

### Electrical and Mechanical

#### Power

Internal: 2 Alkaline "D" Cells

External: 9-15 Volts

#### Housing

Explosion proof: Certified for Class 1

Division 1 Groups B, C, D.

Other housing configurations available,

Dimensions: 5 1/4" dia X 6 3/8"

Weight: 5 1/2 lbs

### Application Software

#### Data Trap™ Base Configuration,

#### Monitor and Control Software

Simple, easy to use scheduling and configuration program for Data Trap™

#### Data Trap™ File Utility

Manipulate, format, and view collected data files. Convert WHP to BHP.

#### Data Trap™ Real-Time Trending

View and capture real time data using serial link over cable, cell, or satellite.

#### Pressure Transient Analysis

#### (Optional)

Data formats compatible with virtually all of third-party analysis packages



The Data Trap™ is not designed or licensed for use in the design, development, manufacture or distribution of equipment used in or in connection with critical components in well safety devices or systems.

Specifications apply to GP, TQ, and TQP models unless stated otherwise.



## Wellhead Data Recorder with Internal True Quartz Pressure Gauge



Battery Operated by Two Alkaline D Cells

Removable Memory Card Data Storage

Multiple Sensor Inputs

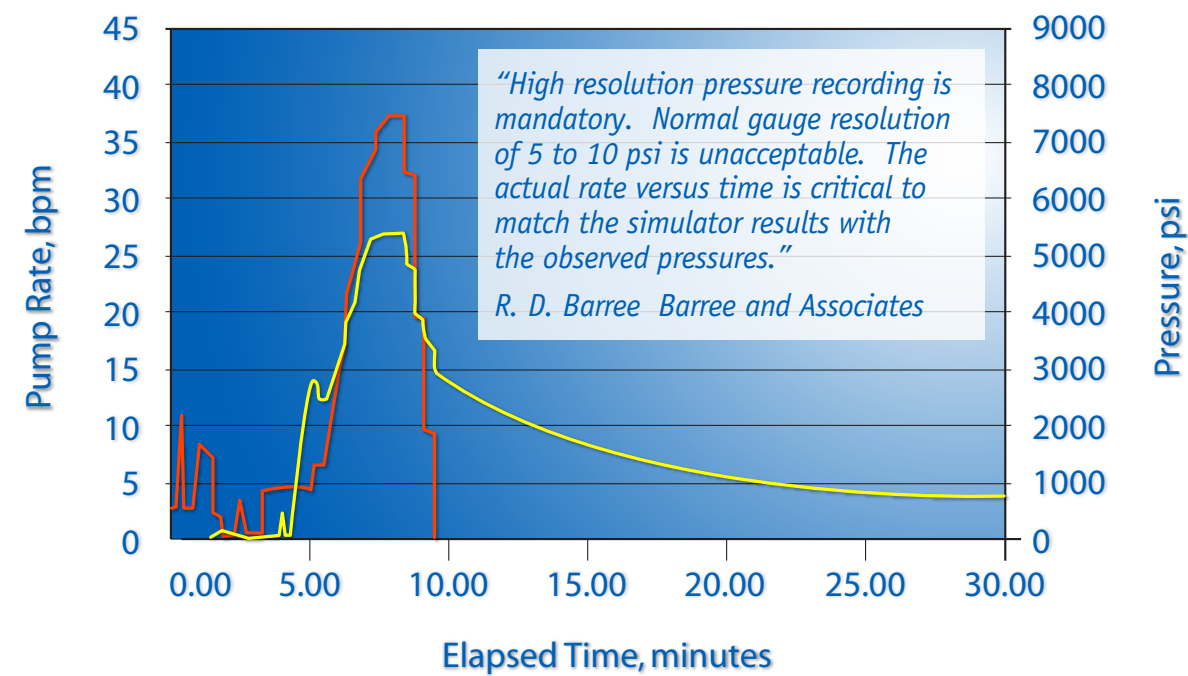
Hazardous Area Certified



Permanent Wellhead Monitoring • Economical Data-Frac/Mini-Frac  
Extended Post-Frac Monitoring • Plunger Lift Optimization • Gas Well Testing • Leak Testing



## Pre-Frac Step-Rate Injection Test



*The Data Trap™ satisfies the requirements necessary for success. The Model TQ's quartz pressure sensor resolution is an outstanding 0.01 psi! Multiple measurements can be recorded together, making data analysis simpler and faster.*

The Data Trap™ starts collecting data with the touch of a thru-glass button.



Just take out the data card and place into a PC card reader.

*The Data Trap™ can be used to simultaneously acquire and integrate several measurements. Battery operation, hazardous area certification, and a virtually unlimited memory capacity make it easy, safe, and fast to setup and use.*

*“One of the best benefits I can see is the fact that the Data Trap™ does not need frequent calibration, and is much more accurate than what we currently use in the industry.”*

*H.S. UK*

*“We’ve been very happy with your Data Trap™ gauge - it is far superior to what we have had in the field and is much easier to use and download, so I would like to order another unit for delivery ASAP ...”*

*B.N. Australia*



A variety of sensors are easily recorded with a single Data Trap™.



Pre-Frac installation. A single Data Trap™ can replace an entire van or trailer for extended post-frac monitoring.

## Expanding Worldwide Applications

