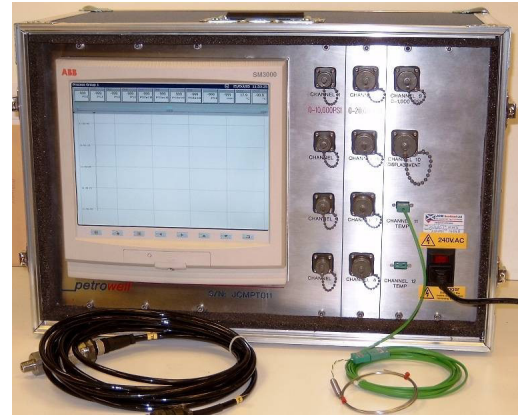




PT3000 Data Logging Panel

Features

- 12 Channel Simultaneous Logging
- Large Clear Display
- Robust Hardware for Realistic Environments
- Compact Flash Memory Data Storage
- Ethernet Link up
- Accurate & Efficient Pressure Transducers
- User friendly menus.
- Historical Logging
- Solution for Paperless chart recording
- Chart, Bar and numerical Displays
- Alarm Features



Introduction

The JCM PT3000 is designed to log up to 12 channels simultaneously. Using 3 different types of transducer, the user can obtain pressure, displacement and temperatures of the Piece(s) under test and record these for later analysis. Using a Compact flash card or the Ethernet connection provided, the user can log the readings locally or remotely. The heavy duty connections ensure reliability in typical pressure testing areas.

Specifications

Channel allocation:-
 (12 channels) 4 x 0-10,000 PSI pressure transducers (10m cable)
 4 x 0-20,000 PSI pressure transducers (10m cable)
 1 x 0-1,000 PSI pressure transducers (10m cable)
 1 x Drawstring transducer (up to 30") (10m cable)
 2 x Type K, temperature Probe (3m cable)

Power :- 240VAC mains using UK standard Plug@ 13A

Data Storage:- 6 months @ 1 sec (512Mb compact flash)
 12 months @ 1 sec (1GB compact flash)
 24 months@ 1 sec (2 GB compact flash)
 (longer sample times are derived by multiplying the months by the increased seconds).

Housed Panel Dimensions 59(w)x40(h)x32(d)cm (When in use).
 59(w)x40(h)x49(d)cm (With transit Lid on).

Part Numbers (including Spares)

- PT-1K** 1000 Psi Pressure transducer
 - CAB-1K** Cable to suit
 - PT-10K** 10,000 Psi Pressure transducer
 - CAB-10K** Cable to suit
 - PT-20K** 20,000 Psi Pressure transducer
 - CAB-20K** Cable to suit
 - DT** Drawstring Distance Transducer
 - CAB-DT** Cable to suit
 - TP** Temperature Probe (complete)
 - KL** Power lead
 - CF2** Compact Flash (2GB as standard)
 - A1194** 1/4" NPT to G 1/2" EN837 adaptor for pressure transducers up to & including 10k Psi
 - PT3000** System comprising of the above inc: 12 transducers/cables to suit the chan. allocations 5 off Adaptors for 1K Psi unit & 10K psi units
- Enclosed in a HD transit case.



UNIT 6, LOGMAN CENTRE, GREENBANK CRESCENT

EAST TULLOS, ABERDEEN, AB12 3BG

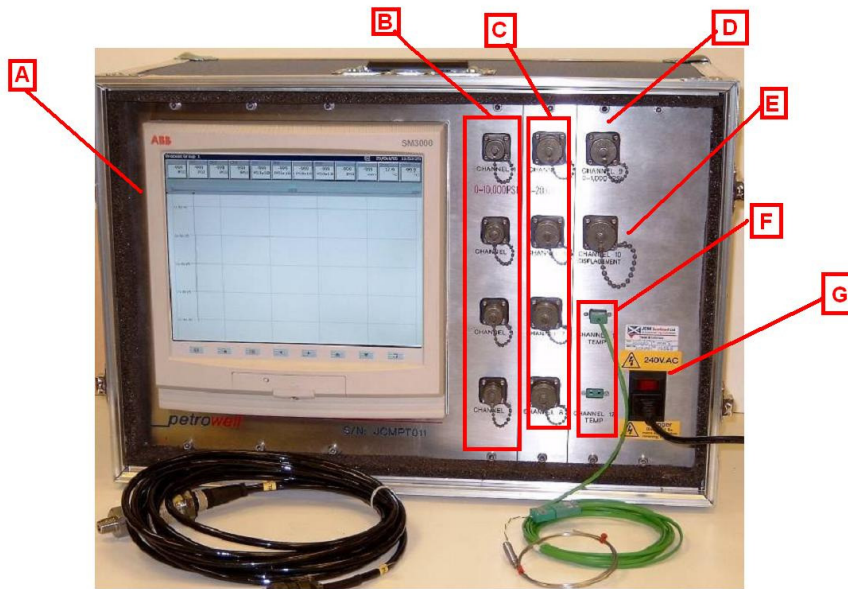
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PT3000 Data Logging Panel



Enclosure Panel

A –Process Chart Recorder

B – **Channels 1–4** for 0-10K PSI
Pressure Transducers

C- **Channels 5-8** for 0-20K PSI
Pressure Transducers

D- **Channel 9** for 1K PSI
Pressure Transducer

E- **Channel 10** for Linear Transducer

F – **Channels 11 &12** for Temperature



G – 240VAC Power Socket/Switch



PT3000 Data Logging Panel

Custom Specs	
Channels:	12 Channel
Interface:	Membrane Button
Storage medium	
External Capacity	Compact Flash Card (1 Gb Card provides 30 million Readings for 12 channels).
Internal Capacity:	8 Gb for 240,000 Readings for 12 channels
Calibration:	National Standards
Ethernet:	Hardwired Ready

Parts Specification

 <p>Part No. PT-10K Channel(s): 1 - 4 Description: 0-10,000 Psi Pressure Transducer</p> <p><u>Signal / Calibration</u> Signal Type: 2 wire 4-20mA Accuracy: +/- 1% Reading Resolution: x1 PSI</p> <p><u>Characteristics</u> Influence effects: Supply: 0.05% FSO per 10V Load: 0.05% FSO per K/Ω Stability Temperature: <+/- 0.2% FSO P/Y Compensated Range: -20 to +85 deg C Usage Temperature: -40 to +140 deg C</p> <p>Connector: 3 Pin Amphenol 97 connector series Cable accessory PT No.: CAB-10K</p>	 <p>Part No. PT-1K Channel: 9 Description: 0-1,000 Psi Pressure Transducer</p> <p><u>Signal / Calibration</u> Signal Type: 2 wire 4-20mA Accuracy: +/- 1% Reading Resolution: x1 PSI</p> <p><u>Characteristics</u> Influence effects: Supply: 0.05% FSO per 10V Load: 0.05% FSO per K/Ω Stability Temperature: <+/- 0.2% FSO P/Y Compensated Range: -20 to +85 deg C Usage Temperature: -40 to +140 deg C</p> <p>Connector: 4 Pin Amphenol 97 connector series Cable accessory PT No.: CAB-10K</p>
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PT3000 Data Logging Panel



Part No. PT-20K
Channel(s): 5 - 8
Description: **0-20,000 Psi** Pressure Transducer

Signal / Calibration

Signal Type: 2 wire 4-20mA
Accuracy: +/- 1% Reading
Resolution: x 10 PSI

Characteristics

Influence effects: Supply: 0.05% FSO per 10V
Load: 0.05% FSO per K/Ω
Stability: <+/- 0.2% FSO P/Y
Temperature
Compensated Range: -20 to +85 deg C
Usage Temperature: -40 to +140 deg C
Connector: 6 Pin Amphenol 97 connector series
Cable accessory PT No.: CAB-20K



Part No. DT
Channel: 10
Description: 0-30 Inch Drawstring Transducer (Calibrated 0-300mm)

Signal / Calibration

Signal Type: 3 wire mV/V per V
Accuracy: +/- 1% Reading

Characteristics

IP rating: IP65
Life Cycles: 250,000
String Material: nylon coated S/S
Operating temperature: -17 to 90 deg C
Vibration: up to 10G's (2000Hz)

Connector: 10 Pin Amphenol 97 connector series
Cable accessory PT No.: CAB-DT



Part No. TP
Channel(s): 11 & 12
Description: **0-200 deg C** Temperature Probe

Signal / Calibration

Signal Type: Type K for thermocouple
Accuracy: +/- 1% Reading
Resolution: x 0.1 deg C

Characteristics

Material: 316 Stainless Steel
Integral cable: 2 core T/C rated
Connector: T/C Mini socket
Cable accessory PT No.: N/A – Integral to Probe