

# PRESSURE RECORDERS & RECORDER CONTROLLERS



These reliable and accurate instruments are suitable for most applications where there is a requirement for low cost pressure recording.

Up to 3 pens can be fitted with three pressure systems or combination of temperature, pressure or flow sensing systems.

The case is suitable for surface or panel mounting or may be specified as portable or pipe mounting.

## FEATURES

- 1, 2 or 3 pen pressure recording and controlling at low cost
- Uses proven and reliable Rototherm pressure systems
- Simple installation and maintenance requirement
- Portable stand or pipe mounting available
- Fully mechanical versions available
- Electrical, battery or mechanical chart drive options
- Electrical control options
- Pneumatic control options

## Pens

Fitted to the pen arms are disposable fibre tipped pens which are readily replaced without mess. Single pen recorders and the first pen of the two and three pen recorders trace in red ink, the second pen in blue, the third in green.

## Control Options

Full pneumatic control is available on this range of recorders - for full details please refer to the Pneumatic recorder controller data sheet.

Electric Control / Alarm - One and two pen recorders in this range may be specified with electrical control options.

## SPECIFICATION

<b>ACCURACY</b>	+/-1% FSD
<b>AMBIENT TEMPERATURE</b>	-20°C to +50°C
<b>MEASURING ELEMENT</b>	Bourdon tube or pressure capsule
<b>CHART DRIVE</b>	Synchronous electric, battery or mechanical spring wound. 24 hour or 7 day. (other rotations on request)
<b>CHARTS</b>	Disc 240mm (9.5 inches) diameter. Standard dividing 40, 50, 60, 70 or 80 linear divisions.
<b>INKING SYSTEM</b>	Disposable fibre tipped pens. Single pen : Red. 2 pen : red & blue. 3 pen : red, blue and green.
<b>CASE</b>	Glass filled polyester resin. protection rated to IP55
<b>WINDOW</b>	Acrylic
<b>POWER SUPPLY</b>	200 to 250 volts, 50Hz (60Hz available); 100 to 110 volts, 50Hz (60Hz available); Instruments without electrical control require no power supply provided that a clockwork chart drive is fitted. Battery operated chart drives require 1.5 volt type "C" cell.
<b>ELECTRICAL ALARM AND CONTROL</b>	
Contact rating:	0.1A at 250V AC (non inductive)
(when fitted)	0.01A at 250V DC (non-inductive)
Relay contact rating	10A at 250V 50Hz
Contact adjustment range	2% to 100%
<b>CONNECTION</b>	
Standard	3/8" BSP male, with nut and tail pipe suitable for 6.35mm (1/4") outside diameter tube.
Portable	3/8" BSP male, with nut and tail pipe suitable for 6.35mm (1/4") outside diameter tube or 3/8" inside diameter tube.
Receiver Type (input 3-15 psi 0.2-1 Bar)	1/4" BSP female
<b>MOUNTING</b>	
	Suitable for surface or panel mounting. (Pipe mounting and portable options available)
<b>WEIGHT</b>	
	Single pen : 6.5 kg (14.25lb)
	Two pen : 7.0 kg (15.5lb)
	Three pen : 7.5 kg (16.75lb)
	Portable single pen : 8.6 kg (19 lb)

