

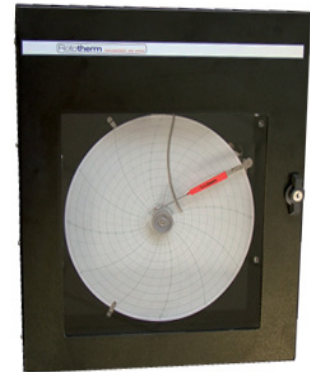
9" Mechanical Chart Recorders

Model: RTO/RPO (Pressure & Temperature)

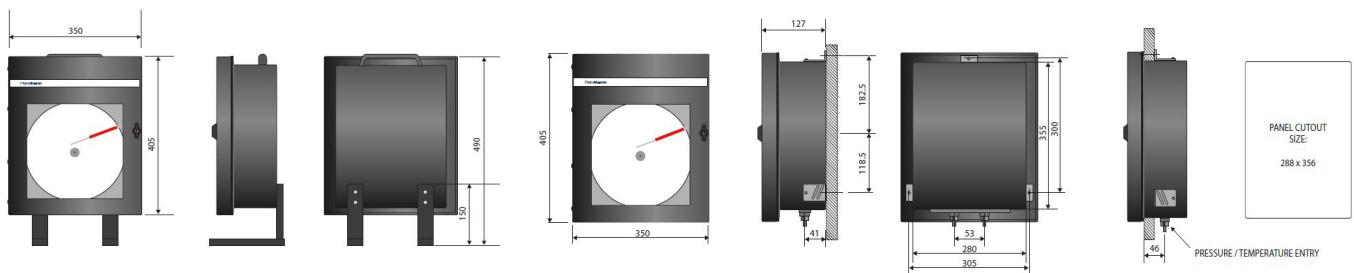
Our RPO/RTO 9" mechanical chart recorder (1 or 2 pens) is a **low maintenance** instrument, built for **rugged** conditions and designed for **flexibility**, with **interchangeable** pressure and temperature systems, which can be installed and calibrated **simply** and **quickly**, **maximising** your productivity.

General Specification

Operation:	Fully mechanical – No electrical Power required
Case:	Steel case epoxy powder coated black, acrylic window
Chart:	9" (240mm) circular chart – 0 to 100 linear charts as standard (Custom charts available on request)
Chart drive:	Standard Mechanical Single Speed 24 h. (Other options available)
Mounting:	Wall, Panel or Portable
Pens:	Disposable fibre tipped pens
Standard Pressure System:	316 SS with 3/8" BSP
Standard Temperature System:	12.7 mm diameter type 303 bulb x 305mm long overall with 3 metres plain capillary
Accuracy:	Class 1 ($\pm 1\%$ FSD)
Ambient temperature:	-20°C to +50°C
Weight:	10 – 15 kg
Dimensions:	Door 350 x 405 mm / Panel cut out 288 x 356 mm
Interchangeability:	Temperature & Pressure Systems
Calibration:	Certificates from UKAS Traceable lab (Available on request)



RTO/RPO Model

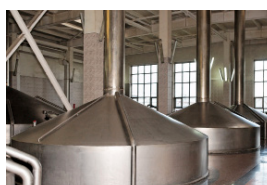


Main Applications

A **world leader** in temperature gauges, Rototherm has become the standard for accurate and reliable measurement across the following industries:



Mains Water
Pressure Recording



Beverage Pressure
Temperature Recording



On/Offshore
Environments &
Refining



Wellhead Pressure
Recording



Heating & cooling
Systems & Pipework

Ordering Information

Clearscan Recorder	STANDARD →	*any model	W	M1
Model	1 pen Temperature	RT1		
	2 pen Temperature	RT2		
	1 pen Pressure	RP1		
	2 pen Pressure	RP2		
	1 pen Temperature & 1 pen Pressure	RPT		
Mounting	Wall / Bottom Connection		W	
	Portable / Rear connection		S	
	Panel / Rear Connection		R	
Chart Drive	24 h. Mechanical Single Rotation			M1
	2 h. Mechanical Single Rotation			M2
	7 day Mechanical Single Rotation			M3
	24 h. & 7 day Mechanical Dual Rotation			D4
	24 h. Multispeed Battery			Q5

Please continue here for pressure system coding options...

(Temperature systems on next page)

Ordering Information

Pressure System	STANDARD →	B00004	C1
Pressure Range	0 to 4 bar	B00004	
	0 to 6 bar	B00006	
	0 to 10 bar	B00010	
	0 to 15 bar	B00015	
	0 to 16 bar	B00016	
	0 to 20 bar	B00020	
	0 to 25 bar	B00025	
	0 to 35 bar	B00035	
	0 to 40 bar	B00040	
	0 to 60 psi	P00060	
	0 to 100 psi	P00100	
	0 to 150 psi	P00150	
	0 to 200 psi	P00200	
	0 to 250 psi	P00250	
	0 to 300 psi	P00300	
	0 to 400 psi	P00400	
	0 to 500 psi	P00500	
	0 to 600 psi	P00600	
	<i>(For non-standard ranges, please contact us)</i>		
Process Connection	3/8" BSP Male		C4
	1/2" NPT Male		C2
	3/8" BSPT Male		C5

Please repeat same ordering system for Pen 2 (if required)

Ordering Information

Temperature System	STANDARD →	T060	1	X	03
Standard Ranges	0 to 100 deg C	T100			
	0 to 60 deg C				
	0 to 150 deg C	T060			
	0 to 200 deg C	T150			
	(For non-standard ranges, please contact us)	T200			
Bulb Type	301 Plain Bulb 12.7mm diameter		1		
	303 Extended Bulb c/w gland 12.7mm diameter		3		
	ANSI Ø11/16"bulb c/w 1/2" NPT gland		4		
Process Connection	No gland			X	
	1/2" NPT Male			N	
	1/2" BSP Male			B	
	1/2" BSPT Male			R	
Capillary Length	3 m.				03
	10 m.				10

Please repeat same ordering system for Pen 2 (if required)

Technical Certification

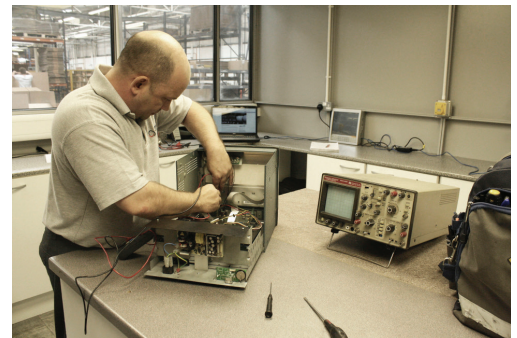
- Certificate of conformity
- Factory Test Certificate
- Factory Calibration Certificate (3 point)
- Factory Calibration Certificate (5 point)
- Material Certificate

Export Documentation

- Certificate of Origin
- EUR1
- ATR

Calibration and After-Sales Support

- Fully trained field service personnel
- Use of UKAS certified calibration equipment
- 5 day turnaround
- Fixed pricing
- Approved manufacturer parts
- Full post-service reports
- 12 month warranty



For more information, please contact our service team services@rototherm.co.uk