

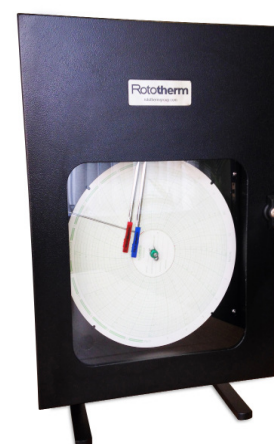
12" Mechanical Chart Recorders

Model: Clearscan (Pressure & Temperature)

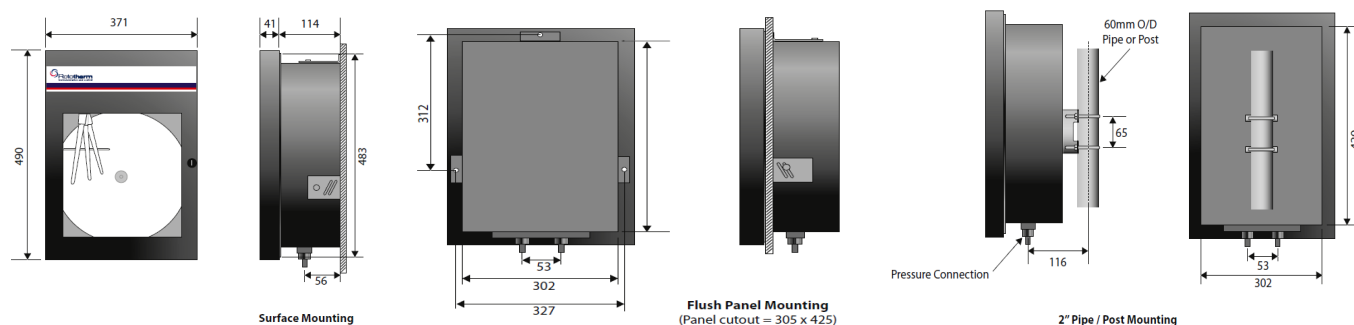
Our *Clearscan* 12" mechanical chart recorder (1 or 2 pens) is a **low maintenance** instrument, built for **rugged** conditions and designed for **flexibility**, with **interchangeable** pressure and temperature systems, which can be installed and calibrated **simply** and **quickly**, **maximising** your productivity.

General Specification

Operation:	Fully mechanical – No electrical Power required
Case:	Steel case epoxy powder coated black, acrylic window (Stainless Steel case available for offshore applications)
Chart:	12" (300mm) 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, 2" Pipe, Panel or Portable
Pens:	Disposable fibre tipped pens
Standard Pressure System:	316 SS with 1/4" NPT or 1/2" NPT male/female
Standard Temperature System:	3 m. flexible SS capillary with ANSI 11/16" SS bulb c/w 1/4" x 10" extension & 1/2" NPTM
Accuracy:	Class 1 ($\pm 1\%$ FSD)
Ambient temperature:	-20°C to +50°C
Weight:	10 – 15 kg
Dimensions:	Door 370 x 490 mm / Panel cut out 305 x 425 mm
Interchangeability:	Temperature & Pressure Systems
Calibration:	Certificates from UKAS Traceable lab (Available on request)
Extras:	High Pressure Autoclave (for pressure above 1000 bar) / Chain & Catch to prevent loss of chart knob



Clearscan Model

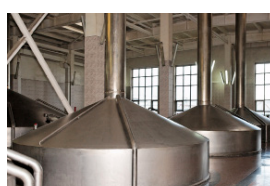


Main Applications

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	CT1		
	2 pen Temperature	CT2		
	1 pen Pressure	CP1		
	2 pen Pressure	CP2		
	1 pen Temperature & 1 pen Pressure	CPT		
Mounting	Wall / Panel with Bottom Connection		W	
	Portable / Rear connection		S	
	2" Pipe or Post / Bottom Connection		P	
	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 system 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	
	(For non-standard ranges, please contact us)		
	Process Connection	1/4" NPT Female	
1/2" NPT Male			C2
1/4"HP 9/16"UNF-18 Female			C3
3/8"BSP Male			C4
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

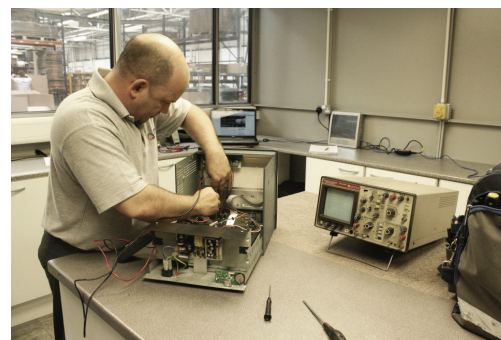
- Certificate of conformity
- Factory Test Certificate
- Factory Calibration Certificate (3 point)
- Factory Calibration Certificate (5 point)
- Material Certificate

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