

Palmer

Palmer Pelican® Case Pressure Chart Recorders

FEATURES

- Crush Resistant, and Dust-proof
- Easy Open Double Throw Latches
- Open cell core with solid wall design - strong and light weight
- Comfortable rubber over-molded handle
- Stainless Steel hardware and padlock protectors
- Heavy Duty Deflector Ribs

SPECIFICATIONS

Case Mounting:	Wall, Pipestand, or Portable
Chart Size:	8" & 12"
Pens:	1, 2 or 3 pen
Range:	From 0 to 30,000 PSI Pressure
Accuracy:	± 1/2 chart graduation for Pressure
Chart Drive:	Battery Operated, Electric or Spring Wound
Pen Configurations:	Available in 1, 2, or 3 pen configurations
Size:	8" 16.44" x 13.00" x 6.82" (41.8 x 33 x 17.3cm) 12" 19.78" x 15.77" x 7.41" (50.2 x 40.1 x 18.8 cm) (NOTE: Size does not include Feet or Pedestal, CASE ONLY)
Available Case Colors:	Black (Standard), Silver, Orange, Yellow, OD Green (Olive Drab) and Desert Tan

Palmer Pelican® Case Recorder - our top quality chart recorder now come housed in a rugged Pelican® case. With double-throw latches these cases are designed with rugged protection even in harsh environments. Lightweight and easy to carry, the new Palmer Pelican® Case Recorder offers the convenience and protection you need in a recorder. All of the recorders have front doors that open for changing the charts, pens, or batteries and winding of mechanical clocks, if equipped. Either solid or window choice of instrument glass, shatter-proof safety glass, plexiglass. Valve and Test Connections available in 8" Chart Size in 1 and 2 Pen configurations. Valve and Test Connections are not available in 12".

Specifications subject to change without notice.



Portable

Supplied with 1/4 NPT pressure connection at the back of the case unless otherwise specified.



Wall Mount



Pipestand Mount

Supplied with 1/4 NPT pressure connection at the bottom of case unless otherwise specified.



Available Case Colors

Black, Silver, Orange, Yellow, OD Green and Desert Tan



APPLICATIONS INCLUDE

The Natural gas market –

- System upset on gas lines
- Tracking pressure over time for safety and security

Waste water treatment Storage tanks where no power is available -

- Monitoring of water pressure
- In high rise buildings to monitor water pressure for fire fighting sprinkler systems;
- The same for many old buildings where sprinklers were added years after initial construction, periodic checks to maintain fire department approval certificates;
- Irrigation pumps: pumping water from rivers or lakes to supply crop field needs;
- Municipal water system pressure checks.

OIL rigs / BOP skids -

- Monitor the cylinders on the skid which are pressurized air bottles,
- Used if hydraulic pumps fail, then can operate the valve closings of the well, pneumatically, by air.
- Pressure Testing the integrity of the air bottles monthly or quarterly
- The chart recorder is used to record, document and prove the safety of the air system test.

Pressure Ranges are offered in 8" and 12" Chart Recorders

Standard Pressure Element: 316 SS helical coil with Stainless Steel Fittings and tubing for ranges 30 to 10,000 PSI, with 1/4" NPT.

High Pressure Element: 316 Stainless Steel bourdon tube for ranges > 10,000 PSI, with autoclave fitting. 15,000, 20,000 and 30,000 with calibration on rise only.

Low-pressure Material: 316 Stainless Steel bellows diaphragm, tubing and fittings, for ranges below 30 PSI.



PRESSURE RANGES

Hg Pressure Ranges
0 to 10 Hg
0 to 39 Hg
0 to 50 Hg
inH ₂ O Pressure Ranges
0 to 10 in H ₂ O
0 to 15 in H ₂ O
0 to 20 in H ₂ O
0 to 25 in H ₂ O
0 to 30 in H ₂ O
0 to 40 in H ₂ O
0 to 50 in H ₂ O
0 to 60 in H ₂ O
0 to 100 in H ₂ O

oz/in ² Pressure Ranges
0 to 10 oz/in ²
0 to 15 oz/in ²
0 to 20 oz/in ²
0 to 25 oz/in ²
0 to 30 oz/in ²
0 to 50 oz/in ²
kPa Pressure Ranges
0 to 5 kPa
0 to 20 kPa
0 to 80 kPa
0 to 100 kPa
0 to 500 kPa
0 to 800 kPa
0 to 1000 kPa
0 to 2000 kPa
0 to 5000 kPa

PSI Pressure Ranges	
0 to 1 PSI	0 to 350 PSI
0 to 3 PSI	0 to 400 PSI
0 to 5 PSI	0 to 500 PSI
0 to 6 PSI	0 to 600 PSI
0 to 8 PSI	0 to 750 PSI
0 to 10 PSI	0 to 800 PSI
0 to 15 PSI	0 to 1000 PSI
0 to 20 PSI	0 to 1500 PSI
0 to 25 PSI	0 to 2000 PSI
0 to 30 PSI	0 to 2500 PSI
0 to 35 PSI	0 to 3000 PSI
0 to 45 PSI	0 to 4000 PSI
0 to 50 PSI	0 to 5000 PSI
0 to 60 PSI	0 to 6000 PSI
0 to 75 PSI	0 to 8000 PSI
0 to 100 PSI	0 to 10,000 PSI
0 to 120 PSI	0 to 15,000 PSI
0 to 150 PSI	0 to 20,000 PSI
0 to 200 PSI	0 to 30,000 PSI
0 to 250 PSI	3 to 15 PSI
0 to 300 PSI	

RECORDER DRIVES

PC-11 battery Intrinsically safe (1.5 volt "C" cell*) powered eleven speed motor (60 min., 96 min., 12 hr., 24 hr., 48 hr., 7 day, 8 day, 14 day, 16 day, 31 day, or 32 day rotation speed).

With "OFF" option.



PC-12 battery Intrinsically safe (1.5 volt "C" cell*) powered twelve speed motor (30 min., 60 min., 2 hr., 4 hr., 6 hr., 8 hr., 12 hr., 24 hr., 3 day, 4 day, or 7 day rotation speed).

*3.6 volt lithium "C" cell for very cold ambient temperatures.

No "OFF" Option.

Spring Wound Drive:

Switchable Dual Speed Clock. - By use of a shift lever, the drive can be set for 24 hour or 7 day rotation. Rotation is set at factory to conform to your specifications. Verify that the drive is set properly. To wind the drive, remove chart and use the key furnished with the recorder.

Standard Rotation: 24 hour / 7 day

Special Order Rotations:

Dual Speed: 15 minute / 1 hour

1 hour / 3 hour

2 hour / 8 hour

96 minute / 24 hour

Single Speed: 4 hour



Electric Chart Drive:

When installing, check to verify that proper voltage and frequency are used.

Standard Rotation: 7 day, 110/120V - 60 Hz

Optional Rotation: 24 hr, 110/120V - 60 Hz

Special Order Rotations:

12 hr, 110/120V - 60Hz

24 hr, 110/120V - 60Hz

2 day, 110/120V - 60Hz

24 hr, 110V - 50Hz



RECORDER PENS

Disposable Fine point, felt tip pens in Red, Green and Blue. Also available in Black and Purple.

Colors other than standard may be specified for either pen arm.

One pen recorder - Red pen (Standard)

Two pen recorder - Red pen and Blue pen (Standard)

Three pen recorder - Red pen, Blue pen and Green pen (Standard)



RECORDER CHARTS

Explore our in-stock recorder charts for 8 inch and 12 inch circular temperature chart

recorders. Special order charts are always available.

Stocked 8"

Circular Charts Ranges

0° to 100°F or °C or PSI	24HR
0° to 100°F or °C or PSI S	7DAY
0° to 150°F or PSI	24HR
0° to 200°F or PSI	24HR
0° to 250°F or PSI	24HR
0° to 300°F or PSI	24HR
0° to 1000PSI	24HR
0° to 2000PSI	24HR
0° to 3000PSI	24HR
0° to 5000PSI	24HR
0° to 10000PSI	24HR

Stocked 12"

Circular Charts Ranges

0° to 100°F or °C or PSI	24HR
0° to 100°F or °C or PSI S	7DAY
0° to 150°F or PSI	24HR
0° to 150°F or PSI S	7DAY
0° to 200°F or PSI	24HR
0° to 200°F or PSI S	7DAY
0° to 1000PSI	24HR
0° to 3000PSI	24HR

