

Dwyer

SERIES LCR10 & LCR20

CIRCULAR CHART RECORDERS

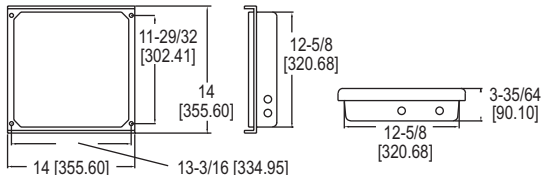
Single and Dual Pen, Rotation Speeds and Recording Times



LCR10



LCR20



The **Series LCR10 & LCR20 Circular Chart Recorders** are two series of circular chart recorders with single and dual pen options. The LCR10 is a single pen recorder and the LCR20 is a dual pen. They can be easily programmed for any of six different thermocouple types, 100 ohm platinum DIN RTDs, or process inputs.

FEATURES/BENEFITS

- Uses large 10" (254 mm) circular chart to easily read data
- Available with dual pen inputs

APPLICATIONS

- Water level monitoring in water treatment
- Temperature/humidity in wood drying
- Room pressure monitoring in clean room applications

MODEL CHART

Model	Rotation	Pen Inputs	Output
LCR10-101	Counter-clockwise	Single	No
LCR10-111	Counter-clockwise	Single	Yes
LCR20-101	Counter-clockwise	Dual	No
LCR20-111	Counter-clockwise	Dual	Yes

SPECIFICATIONS

Ranges: Thermocouple: Type J, K, T, R, S, B; RTD: 100 Ω platinum DIN curve (0.00385 Ω per Ω per $^{\circ}\text{C}$); Process: 0 to 5 VDC, 250 Ω impedance, 4 to 20 mA across 250 Ω .

Chart Size: 10" (254 mm).

Accuracy: $\pm 0.5\%$ of span (100 division span).

Output Relay: Form C (DPDT), 1A @ 240 VAC resistive.

Chart Speed: Programmable 4, 8, 12, 24, 48, 72, 168 hour rotation (168 hours=7 days).

Ambient Operating Temperature/RH: 32 to 140 $^{\circ}\text{F}$ (0 to 60 $^{\circ}\text{C}$); 0-90% RH (non-condensing).

Power Requirements: 110/220 VAC $\pm 10\%$.

Battery Backup: 9 V alkaline battery, installed functional, user replaceable.

Power Consumption: 15 VA max.

Housing Material: Fire retardant polyphenylene ether and polystyrene PPE & PS with acrylic window.

Mounting: ± 20 degrees of vertical, ± 10 degrees of horizontal.

Weight: 7 lb (3.2 kg).

Agency Approvals: CE.

ACCESSORIES

Model	Description
LCR200	Chart paper, 0 to 200 $^{\circ}\text{F}$, 24 hour, CCW
LCR2007	Chart paper, 0 to 200 $^{\circ}\text{F}$, 7 day, CCW
LCR110C	Chart paper, 0 to 110 $^{\circ}\text{C}$, 24 hour, CCW
LCR-R	Red chart pens, package of 6
LCR-B	Blue chart pens, package of 6