

**Dwyer**

SERIES LCR10 &amp; LCR20

# CIRCULAR CHART RECORDER

Single and Dual Pen, Rotation Speeds &amp; Recording Times



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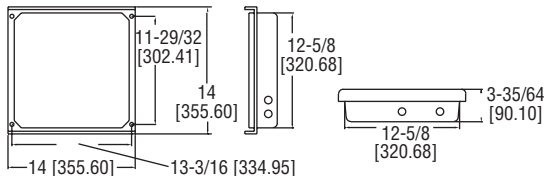
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LCR10



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  $\Omega$  platinum DIN curve (0.00385  $\Omega$  per  $\Omega$  per  $^{\circ}\text{C}$ ); Process: 0 to 5 VDC, 250  $\Omega$  impedance, 4 to 20 mA across 250  $\Omega$ .

**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:**  $\pm 20$  degrees of vertical,  $\pm 10$  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