RT220 | Rotary Temperature Transmitter

Leading Technology for Godet Rolls

The Binsfeld RT220 Rotary Temperature Transmitter is a true drop-in replacement for Rieter/SwissTex rotating transmitters on high-speed godet roll motors. The RT220 features a rugged mechanical design with fully encapsulated electronics to operate up to 13,000 rpm. In addition, error detection modes protect heater from damage and expedite troubleshooting in the event of a sensor or other failure.

Rugged – Fully encapsulated rotating electronics.

Reliable – Digital circuitry is immune to electrical noise and drift.

Rieter/SwissTex Compatible – Drop-in replacement for J7-30, J7-31 and J7-32 roll motors.

Product Support – Strongest customer support in the industry.

SPECIFICATIONS

Input ■ PT200 RTD (2x PT100 in series)

Input Range ■ 200.00Ω to 424.06Ω (0°C to 300°C)

Output ■ Pulsed infrared LED @ 935nm

Output Range ■ 21,731 Hz to 14,935 Hz (0°C to 300°C)

Accuracy
- within ±0.20% 0°C to 85°C ambient
- within ±0.11% 20°C to 70°C ambient

Operating Environment
- 0°C to 85°C, 0-90% RH, non-condensing

Rotational Speed ■ 13,000 RPM maximum

Weight ■ 4 lbs. (1.8 kg)

Error Mode Output

■ 14.80 kHz	RTD value is too high
■ 14.75 kHz	RTD value is too low
■ 14.70 kHz	power supply voltage is too low
■ 14.65 kHz	power supply voltage is too high
■ 14.60 kHz	ambient temperature is too high

Specifications subject to change without notice.

BINSFELD ENGINEERING INC.

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