

SCITRONICS

Feed-Rate Controller

Model RC 1000



Scitronics Feed Rate Controller is designed to provide constant rate control of material feed at a specific set point to assure accurate thru-put of product. Functions of feed rate control and belt scale signal processing are combined into one compact unit and can be utilized simultaneously or separately.

Digital signal processing function monitors and calculates tons per hour, total tons and belt speed.

The Rate Controller is typically used in conjunction with weigh-belt feeders or other conveyors for blending of various materials — cement,

asphalt, aggregates, rock gradations, bulk powders, etc.

The unit is compatible with most strain-gauge type belt scales and incorporates a high intensity, 3-level adjustable, 4-line, 20-character alphanumeric display. Operation is menu driven and easily programmed by users.

Options include a circular chart recorder and remote display, alarms and computer interface.

You can count on Scitronics for accurate, dependable controls and equipment plus outstanding service before, during and after installation.

Rate Controller Features

- Controls constant rate of materials feed
- Adjustable intensity, 4-line, 20-character vacuum fluorescent display with screen saver
- Shows set point, rate, total and control position
- Accepts remote set points for material blending
- Easy initial setup of data
- Full-time self-diagnostics
- Selectable units of measurement
- Real-time clock calendar
- Menu driven display

Options

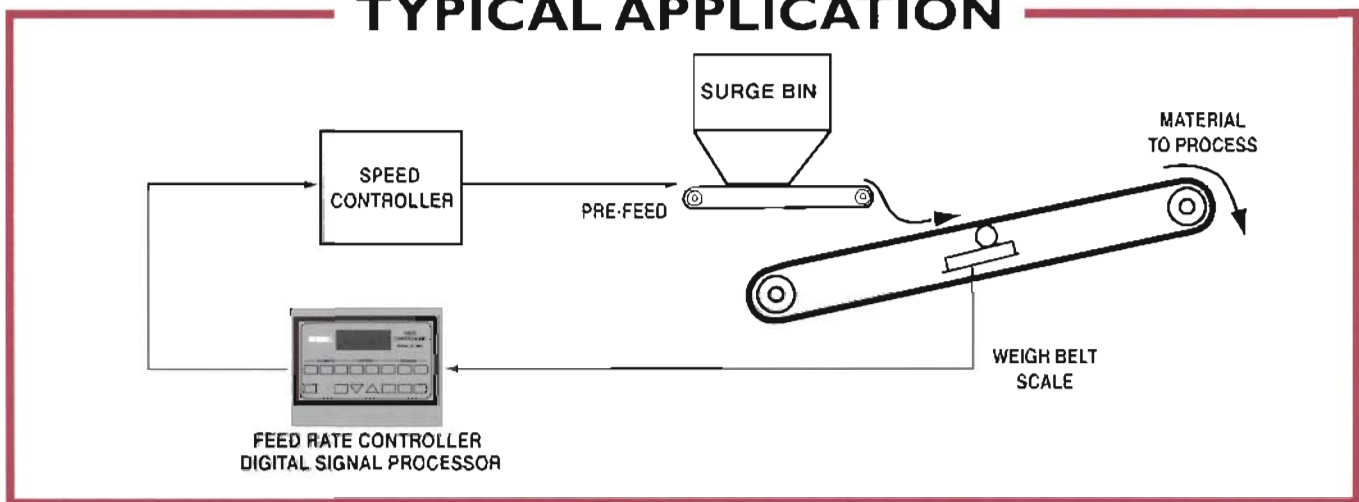


Remote Display Model RD 10



Circular Chart Recorder

TYPICAL APPLICATION



RC 1000 SPECIFICATIONS

Physical:

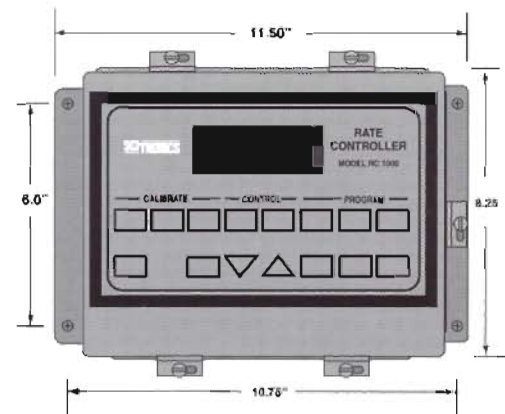
- Enclosure: 12 ga. steel NEMA 12 standard; NEMA 4 & stainless steel optional
- Overlay: Polycarbonate
- Display: 4-line by 20-character alphanumeric vacuum fluorescent display or liquid crystal display

Electrical:

- Power: • 115 VAC standard; 230 VAC optional
- Remote input signal typically: 0-20 mA, 4-20 mA, 0-5 VDC or 1-5 VDC

Options:

- RS232, RS422 or RS 485 plug-in cards for output to printers or remote access
- 4-20 mA dual outputs
- Relay pulse output programmable for a variety of options



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