



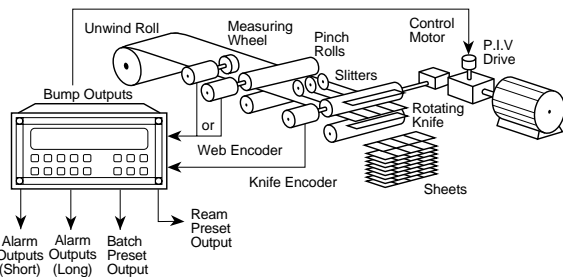
**Sheet length and
ream control . . .
for web processing
applications**

The **MAX S.L.R.C.** monitors the radial position of rotary cutters, and the linear delivery of web transport, calculates the resultant sheet length, and produces alarm outputs if length is out of tolerance from high/low limits. In addition, web length throughput is totaled, sheet production is counted, ream size can be preset, and a batch counter will control the lot size produced. All production information is readily available via the unit's display panel – plus RS-422/485 data communications can be used to produce printed reports, or interface with a computer or PLC.

- Web and cutter inputs for complete machine control
 - 4 presets, high and low sheet length, ream quantity, batch quantity
 - 5 decade sheet length monitor, ream counter, and batch counter
 - 6 decade sheet and length totalizers
 - Big, 0.6" high (15.2 mm) LED display – plus illuminated annunciators
 - Programmable scale factors, decimal point, and output action
 - Non-volatile memory of program and preset values
 - Security locks for programming and user access
 - RS-422/485 data allows local printer or remote system interface
 - NEMA-4 rated, sealed front panel – tactile response keyboard
 - Self diagnostics checks inputs, outputs, keyboard, display, memory
- Many convenience features, such as 115/230 VAC operation, power supply output for encoders and other transducers, and easy screw-terminal-block wiring are included.

For more presets, see MAX Count 6
For count plus rate functions, see Series 7975

Typical Applications:



Application Note: For the web or length encoder, choose an encoder which has at least 1 pulse for every 2 of the smallest units or increments to be displayed. For example, for a .01 inch resolution, you need at least 1 pulse per every .02 inch of web travel.

For the knife or cut signal, 1 pulse per cut is recommended. A zero speed pickup such as a 58M or 53Z may be used instead of a 1 PPR encoder.

If using encoders on both the web and the knife, check your power supply draw. PM41S accessory power supplies are recommended.

SPECIFICATIONS

Input Power: 100 to 130 VAC or 200 to 260 VAC, 50/60 Hz, 20 VA

Accessory Power: 12 VDC @ 175 mA

Sheet Length Monitor: 5 decades; Alarm Presets: 2 individual; Operation: Gated operation using the web input gated with the knife input; Web Input: DC to 10kHz, x2 logic, single channel; Knife Input: DC to 5 kHz, x1 logic, single channel, (the scaled knife signal, knife input/knife divider, cannot exceed 175 Hz); Web Calibrator Range: 5 decade, 0.0001 to 9.9999; Operation: Calibrates web input signal into usable engineering units; Knife Divider Range: 3 decade, 1 to 999; Operation: Used to scale the knife input signal to produce 1 pulse per revolution of the knife; Web and Knife Input Signals: 3.5 to 15 VDC square wave @ 3.25 mA source

Ream Counter: 5 decade; Web Multiplier: 1 to 99; single 5 decade preset

Batch Counter: 5 decade with preset

Sheet Totalizer: 6 decade, multiplied by web multiplier

Length Totalizer: 6 decade; Scaler: 1 to 9999, used to divide the calibrated web signal

Control Inputs: Input Frequency: 20 Hz maximum, current sinking, both edge and level sensitive as defined by input use; High Input Level: 10 VDC min. to 20 VDC max.; Input Low Level: 0 VDC min. to 2 VDC max.

Display: Decades: 8 decade, 0.6" red LED; Decimal Point: Programmable range; XX.XXX to XXXXX

Program Security: System LOCK and programmable preset lock

Outputs: Type: 6 solid state, 100 mA sink, 28 VDC max. programmable operation

Serial Interface: RS-485/422; Baud Rate: Selectable, 300, 600, 1200, 2400; 7 bit ASCII

Operating Temperature: 32° to 122°F (0° to 50°C)

Model No.	Description
SLRC0S00	MAX S.L.R.C. Sheet Length and Ream Control

