A versatile, low cost production monitor . . . combining powerful totalizer and rate indicators functions in a compact package

MAXjr Count/Rate 4 lets you instantly switch its display between production totals and rate – at the touch of a button. Its versatile programmable features include independent calibration and decimal point location for count and rate, allowing totals and speed to be displayed in different units, such as: totals in feet; speed in RPM.

- Add/subtract and quadrature counting modes – solid-state or contact input
- 8 digit totalizer function, with count polarity and overflow indication
- 5 digit rate indicator with programmable averaging, for jitter-free readings
- Rate accuracy = 0.01%
- Count speed to 10 kHz – bounce filter for contact-closure input
- Non-volatile memory retains count and program during power loss
- Panel mounts in 1/8 DIN cut-out – NEMA-4 water and oil integrity
- Friendly menu-driven programming with display prompting – sealed tactile response keys
- Security locks for program and reset
- Accessory 12 VDC power supply supports external sensors

The **MAXjr Count/Rate 4** includes many advanced convenience features, such as: switch-selectable 115/230 VAC operating power, self-diagnostics, and display-prompted program editing – making it a "best value" production monitor.

Specifications

Input Power: Switch selectable 115 (95 to 130) VAC, or 230 (190 to 260) VAC; 50/60 Hz, 6 VA; Optional: 10 to 26 VDC, 0.4 A maximum

Accessory Power: DC output provided for transducer, 12 VDC ±25%, 125 mA maximum

Display: 8 digit, 0.3" (7.6 mm) red LED with ± polarity indicator (5 digits for rate); legends for PGM (program mode), and OVF (overflow)

Keyboard: Sealed, 6 tactile response keys

Decimal Point: Independent selectable decimal point for totals and rate (XXXX.X.X.X.X.)

Calibration: Independent calibrators for count and rate; count scaling common to inputs A and B; rate scaled from input A; range 0.0001 to 9.9999

Counting Modes: Add/Subtract: Input A adds; B subtracts; Quadrature: Inputs A and B count bidirectionally from quadrature signal source

Rate Mode: Signal from input A; rate is calculated by converting time interval measurement to rate; programmable for minimum counts between conversions, and minimum time between conversions

Signal and Count Rate: Add/Subtract Mode: X1 logic, 10 kHz maximum signal and count rate; Quadrature Mode: X2 logic (counts input A, both edges); Maximum 10 kHz count rate, 5 kHz signal rate

Signal Inputs: Open collector (sinking or sourcing), magnetic, or contact closure (input speed limited to 20 Hz)
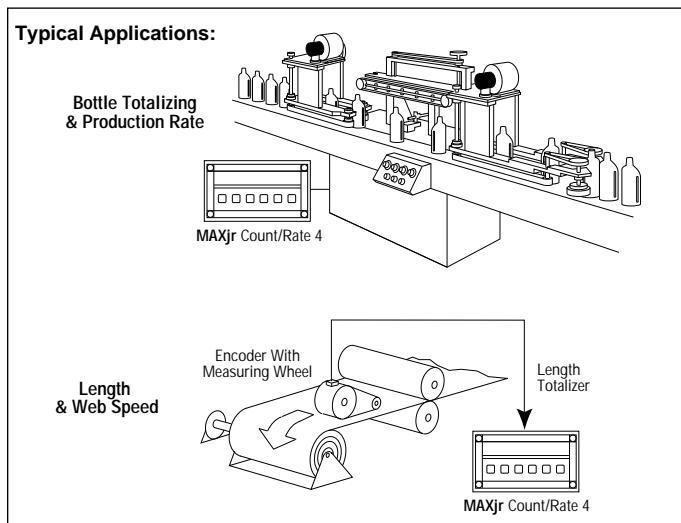
Control Inputs: Reset and stop count

Security: Selectable locks for reset, and program mode

Diagnostics: Tests for signal and control inputs, panel keys, and display

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

Weight: 1.4 lbs. (453.6 g)

Model No.	Description
MCJR4S00	**MAXjr Count/Rate 4**, (115/230 VAC, selectable)
MCJR4D00	**MAXjr Count/Rate 4**, (12 VDC operation)

Typical Applications:

Bottle Totalizing & Production Rate

MAXjr Count/Rate 4

Length & Web Speed

Encoder With Measuring Wheel

Length Totalizer

MAXjr Count/Rate 4

Dimensions:

Panel Dims: Cutout: 3.58" x 1.78". Depth: 5.68" min.