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## Encoder Instructions

### K870

INACTIVE DESIGN  
Contact Help Desk

## DESCRIPTION

The Model K870 is a high resolution zero speed hand held pulse generator. It is designed to precisely measure the linear speed of low speed processing lines. The unit provides a specific number of electrical output pulses for each revolution of the one foot (12.00") in circumference measuring wheels. The exact number of pulses provided per revolution is indicated on the nameplate.

The dual measuring wheels are rimmed with water and chemical resistant polyurethane compound which provides a high coefficient of friction to prevent slippage. A twenty foot cable with a safety pull apart feature is supplied with the K870 generator. The cable is terminated with MS type connectors.

## OPERATION

Hold the hand-held pulse generator firmly and place the measuring wheels against the roll or surface being monitored.

Allow the generator to align itself with the handle in line with the direction of process travel. Apply only light pressure - just enough to eliminate slippage.

Good alignment with sufficient but minimal pressure is required for consistent and accurate measurements. Observe two consecutive matched readings on the instrument readout to ensure that a proper measurement has been made.

## CAUTION

Follow common sense rules and all applicable safety regulations when working near moving machinery - be careful.

Do not drape cable around shoulders, hands or other parts of the body.

Do not stand on cable.

## SPECIFICATIONS

Operating Power:.....12-15 VDC @ 100 mA

Output Signal:.....Square Wave  
Two Channel in quadrature. (Two phase - Bidirectional).

Output Voltage Levels:.....0 to Supply Voltage at No Load

Output Drive Capability:.....1.0V max at 25 mA sink VDC - 1.6V max at 25 mA source.

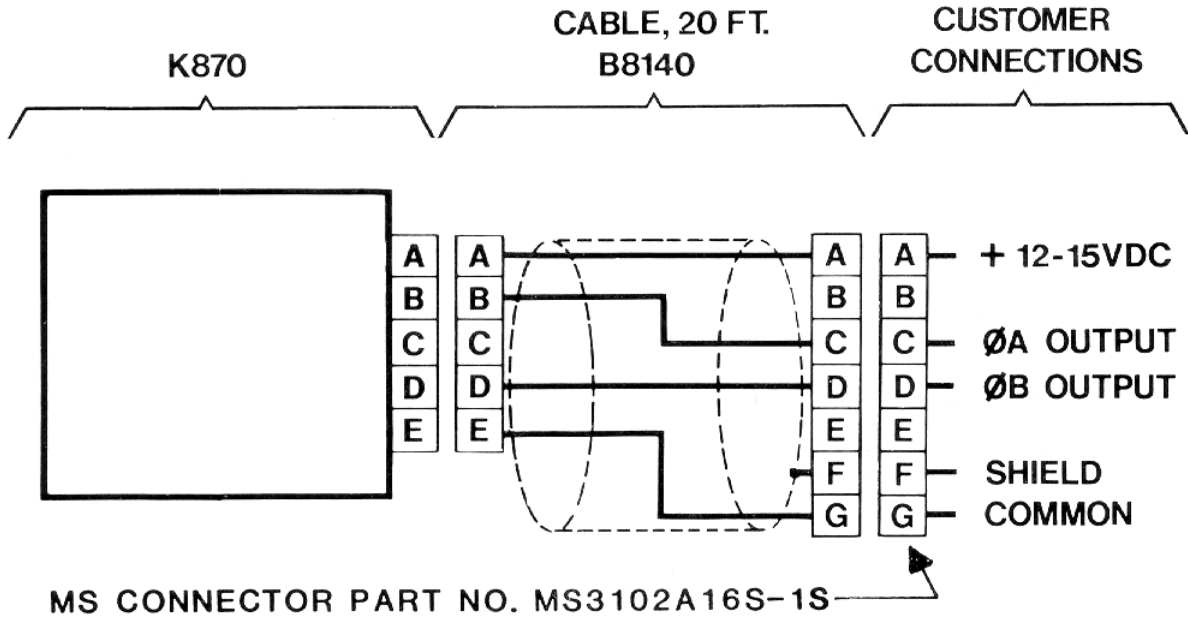
Frequency Response:.....18 KHz

Operating Speed:.....3000 RPM max.

Operating Temperature:.....0 to 140°F

Weight:.....3 1/8 Lbs, excluding cable.

# INSTALLATION - WIRING DIAGRAM



AN ADDITIONAL 50 FT., B8997 OR 100 FT., B8825 EXTENSION CABLE IS AVAILABLE AS AN OPTION

