AutomaX‹‹‹

Idle Roller

Roller

Digital Counter
1 2 3 4 5 6
1 2 3 4

Pot

VFD

DIGITAL COUNTER

Feature

Application: Textile, Rubber & wire, paper, Plastic Processing Industries

In these industries, when winding / unwinding of web is done to one roller to another, linear speed of the web is to be maintained. so that the tension remains the constant, when web material to be wound on a roller, the diameter gradually increases, since the rotational speed is constant, linear speed increases which damages the material.

"AUTOMAX" sensors & Controllers offer solution for above problem. our system consists of a controller. in winding application there is idle roller and material passes over the idle roller. Inductive proximity switch is to be mounted to sense the rotation of roller. RPM increases as material is getting build up on a winding roller. RPM sensed through Inductive proximity sensor. linear speed will be displayed on a controller. Diameter of roller is to be entered in the controller. as per the Diameter of the roller display will show length of the web in meters. the unit controller will supply 0 - 10VDC to VFD, winding roller speed is control

This controller has 6 Digit for length counting and 4 Digit for line speed indication. user can set the preset value through front panel pad switches. length displays directly in meters and linear speed displays speed in Meters per minute. through VFD. Speed of the motor can be vary by applying 0-10VDC through e VFD. so as to keep linear speed constant.

SPECIFICATION:

Supply Voltage : 220 volt AC
No. of Digits : 6 Digits for Length, 4 Digit for Linear speed Indication
Input through : proximity Switch
Display type : ½ Inch Seven segment LED Display
Output : 0 - 10VDC
Dimension: 96 x 96 x 110mm Cutout : 92 x92mm