

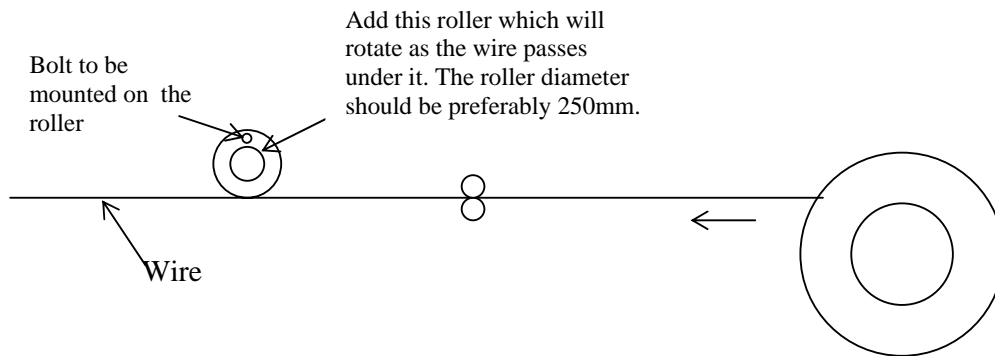
MICRON INSTRUMENTS



Manufacturers and suppliers of:
Temperature controllers,
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*Gala No. 2 , Shakti Complex, Opp. Sterling Indl. Estate, Navghar, Vasai(E) –
401210.*
Telefax : 0250-2393768 / 2393769

Length Meter mounting Arrangement

The mounting arrangement for measuring the length of the wire



As shown above, a roller should be mounted above the wire. Note that the roller should rotate as the wire passes below it and care should be taken that there is a slight tension on the wire so that the wire does not slip from under the roller. A bolt should be mounted on the roller and a proximity switch mounted such that the bolt passes near the proximity switch for each revolution of the roller. The proximity switch will generate a single pulse for each revolution of the roller which is fed to the length meter. The length meter will in turn increment the total length for each pulse. The length meter contains a parameter “Fact” which is actually the circumference of the roller and should be entered according to the outer diameter of the roller. If the dia of the roller is “d” mm then the Factor can be calculated by the following formula:

Factor = (d x 3.14152 millimeters)

The range of the Factor can be from 000.1 millimeters to 999.9 millimeters.