



# LENGTH COUNTER

LC-2046

## APPLICATIONS

Textile Industries

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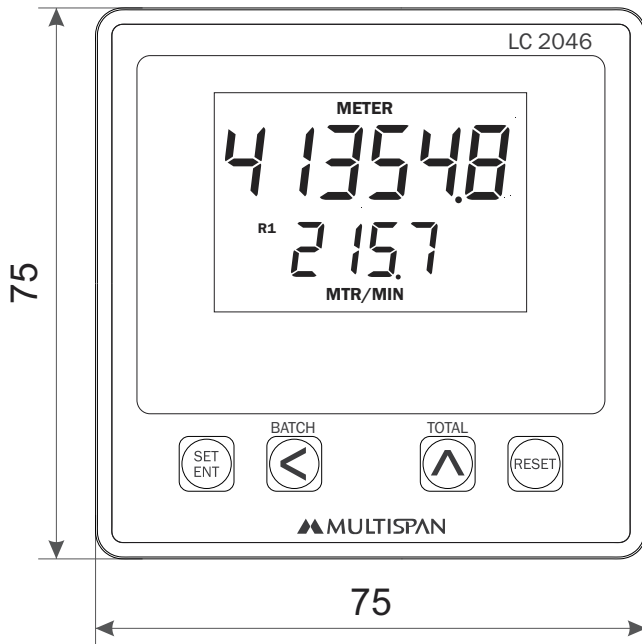
Pipe Extrusion Machine

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Printing Machinery

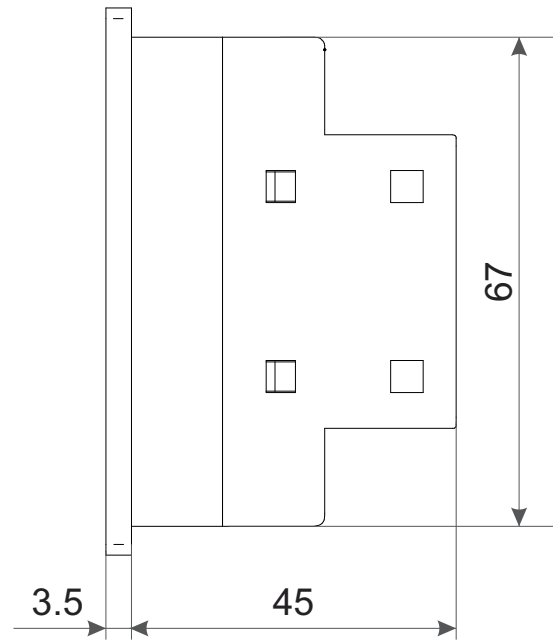
# Mechanical Dimensions

## Body Dimensions



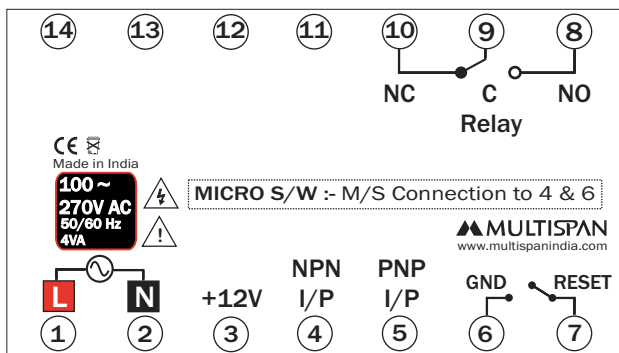
**FRONT VIEW**

All dimensions are in mm

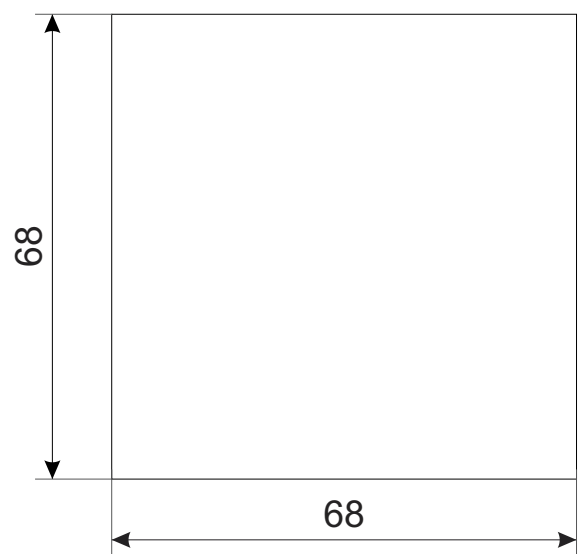


**RIGHT SIDE VIEW**

## Connection Diagram



## Panel Cutout



## TECHNICAL DATA

|                       |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| <b>Input</b>          | NPN/PNP Proximity Switch ( Configurable)<br>Encoder ( Factory Set )                          |
| <b>Range</b>          | 0-99999.9 / 999999 / 9999.99 / 999.999 Meter<br>( Configurable )<br>MPM :- 00.01 to 9999 MPM |
| <b>Output</b>         | 1 Relay 1 C/O, 5A, 230V AC SSR 12V<br>DC Parallel ( Any one factory set )                    |
| <b>Operating Mode</b> | 999.9 MPM (DP Auto Shift)                                                                    |
| <b>Diameter</b>       | 0-9999.99 MM                                                                                 |
| <b>Memory</b>         | Non-Volatile Memory                                                                          |
| <b>Reset</b>          | Auto/ Manual reset facility & front and back<br>reset facility                               |
| <b>Power Supply</b>   | 100 to 270V AC, 50/60Hz                                                                      |
| <b>Certification</b>  |             |

### Input

|                    |                          |
|--------------------|--------------------------|
| <b>Sensor Type</b> | NPN/PNP                  |
| <b>Input Type</b>  | Proximity , Micro switch |
| <b>Input Speed</b> | 3Hz, 30Hz 500 Hz         |
| <b>Accuracy</b>    | ±10mm Full Scale         |

### Output

|                       |                      |
|-----------------------|----------------------|
| <b>Sensor Supply</b>  | Inbuilt 12V DC, 30mA |
| <b>Relay Contact</b>  | 1 C/O                |
| <b>Contact Rating</b> | 5A @ 230V AC         |

### Auxiliary Supply

|                          |                       |
|--------------------------|-----------------------|
| <b>Supply Voltage</b>    | 100-270V AC, 50/60 HZ |
| <b>Power Consumption</b> | 4VA                   |

### Functional Specifications

|                           |                       |
|---------------------------|-----------------------|
| <b>RLY Modes</b>          | Delay On              |
| <b>Range</b>              | 000.001 to 999999 MTR |
| <b>Resolution</b>         | 1 mm                  |
| <b>Counting Direction</b> | UP / DOWN Selectable  |
| <b>Set Point</b>          | 1                     |
| <b>Scale Factor</b>       | Diameter and PPR      |
| <b>Reset</b>              | Front and Remote      |
| <b>Memory Retention</b>   | YES                   |

### Display

|                   |                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------|
| <b>Display</b>    | Upper :- 4 Digit 7 seg 0.56"<br>Red LED Display<br>LOWER :- 4 Digit 7 seg 0.4"<br>Green LED Display |
| <b>LED Status</b> | Relay Indication LED                                                                                |

### Keys

4 controlling keys for configuration and operation  
SET/ENT, SHIFT, UP, RESET

### Environmental Characteristics

|                             |                                   |
|-----------------------------|-----------------------------------|
| Working Temperature         | 0 to 55 °C (32 °F to 122 °F )     |
| Storage Temperature         | -20 °C to 75 °C (-4 °F to 197 °F) |
| Relative Humidity           | 95% RH Non-condensing             |
| Protection (As per request) | IP 65 (Front Side)                |

### Mechanical Characteristics

|                       |                                |
|-----------------------|--------------------------------|
| Mounting Type         | Panel Mount                    |
| Dimension (HxWxD) mm  | 75 x 75 x 45                   |
| Panel Cutout (HxW) mm | 68 x 68                        |
| Material              | Front<br>Enclosure             |
|                       | Polycarbonate (PC)<br>ABS      |
| Terminal Screw Size   | M3.5                           |
| Screw Torque (N.m)    | 0.5                            |
| Wire Gauge (AWG)      | 26-14                          |
| Weight (Approx) gms   | Unpacked : 140<br>Packed : 170 |
| Accessories           | 1 Pair of Mounting Clamps      |