

# LENGTH COUNTER

## LC-1046D, 2046



## TECH SPECS

Model	LC-1046D	LC-2046
Dimension (HxWxD) mm	96 x 96 x 43	72 x 72 x 60
Panel Cutout	92 x 92	68 x 68
Input	NPN/PNP Proximity Switch ( Configurable) Encoder ( Factory Set )	
Range	0-999.999 / 0-999999 Meter ( Configurable ) MPM :- 00.01 to 9999 MPM	
Output	1 Relay 1 C/O, 5A, 230V AC SSR 12V DC Parallel ( Any one factory set )	
Operating Mode	999.9 MPM	
Diameter	0-9999.99 MM	
Memory	Non-Volatile Memory	
Reset	Auto/ Manual reset facility & front and back reset facility	
Power Supply	230V AC ±10%, 50 HZ	

## APPLICATIONS

Textile Industries

Pipe Extrusion Machine

Printing Machinery

# Technical Specifications

## Input

Sensor	NPN / PNP
Input	Proximity , Micro switch As per IP
Input Speed	3Hz, 30Hz, 500 Hz
Accuracy	± 10mm Full Scale

## Functional Specifications

RLY Modes	Delay On
Range	000.001 to 999999 MTR
Resolution	1mm
Counting Direction	UP / DOWN Selectable
Set Point	1
Scale Factor	Diameter and PPR
Reset	Front and Remote
Memory Retention	YES
Configuration Lock	No

## Output

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

## Auxiliary Supply

Supply Voltage	LC-1046D,2046
	230V AC, 50HZ
Power Consumption	4VA MAX

## Keys

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

## Visual Specification

LC-1046D	
Display	<b>Upper</b> :- 6 Digit 7 seg 0.56" Red LED Display <b>LOWER</b> :- 4 Digit 7 seg 0.4" Green LED Display
	LC-2046
LED Status	<b>Upper</b> :- 6 Digit 7 seg 0.4" Red LED Display <b>LOWER</b> :- 4 Digit 7 seg 0.4" Green LED Display
	Relay Indication LED

## Physical

	LC-1046D	LC-2046
Mount	Panel	
Enclosure	Molded ABS	
Weight	280gm	240gm
Color	Black	
Front Bezel ( mm )	96 x 96	72 x 72
Panel cutout ( mm )	92 x 92	68 x 68
Depth behind panel	50 mm	85 mm
Accessories	1 pair of Mounting clamp	
Terminal Cable Size	Barrier Type terminal Cable Size ( 2.5 mm <sup>2</sup> )	

## Environmental

Operating Temperature	0 to 55°C (32°F to 122°F)
Storage Temperature	-20°C to 75°C (-4°F to 197°F)
Humidity	95% RH Non-condensing
Protection	IP 65 ( Front Side ) as per requirement