

BATCH COUNTER

BC-1046D, 2046, 445



TECH SPECS

Model	BC-1046D	BC-2046	BC-445
Dimension (HxWxD) mm	96 x 96 x 43	72 x 72 x 60	48 x 48 x 95
Panel Cutout	92 x 92	68 x 68	44 x 44
Input	NPN/PNP Proximity Switch / Micro Switch / 230V AC Pulse (Factory Set)		
Range	0-999999 Count (Configurable)		0-99999 Count (Configurable)
Output	1 Relay + Buzzer / SSR + Buzzer		
Specification			
Memory	Non-Volatile Memory		
Reset	Auto / Manual reset / back reset		
Power Supply	230V AC \pm 10%, 50 HZ	100-250V AC, 50/60 HZ	

APPLICATIONS

- Pharmaceutical Machinery
- Product Counting Machinery
- Packaging Machinery

Technical Specifications

Input	
Sensor	NPN / PNP
Input	Proximity , Micro switch As per input
Input Speed	3Hz, 30Hz, 500 Hz
Accuracy	±2 Count Full Scale

Functional Specifications	
Modes	Delay On
Range	0-9999
Resolution	1 Count
Counting Direction	UP
Set Point	2
Reset	Front
Memory Retention	YES

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

Auxiliary Supply		
Supply Voltage	BC-1046D,2046	BC-445
	230V AC, 50HZ	100 to 250V AC, 50/60 HZ
Power Consumption	4VA MAX	

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

Visual Specification	
Display	BC-1046D Upper :- 6 Digit 7 seg 0.56" Red LED Display LOWER :- 4 Digit 7 seg 0.4" Green LED Display
	BC-2046 Upper :- 6 Digit 7 seg 0.4" Red LED Display LOWER :- 4 Digit 7 seg 0.4" Green LED Display
	BC-445 Upper :- 5 Digit 7 seg 0.3" Red LED Display LOWER :- 4 Digit 7 seg 0.3" Green LED Display
	LED Status
LED Status	Relay Indication LED

Physical			
	BC-1046D	BC-2046	BC-445
Mount	Panel		
Enclosure	Molded ABS		
Weight	280gm	250gm	150gm
Color	Black		
Front Bezel (mm)	96 x 96	72 x 72	48 x 48
Panel cutout (mm)	92 x 92	68 x 68	44 x 44
Depth behind panel	50 mm	85 mm	95 mm
Accessories	1 pair of Mounting clamp		
Terminal Cable Size	Barrier Type terminal Cable Size (2.5 mm ²)		

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