



PROGRAMMABLE COUNTER

PC-1044, 2044, 444

TECH SPECS

| Model | PC-1044 | PC-2044 | PC-444 |
|----------------------|---|-----------------------|--------------|
| Dimension (HxWxD) mm | 96 x 96 x 43 | 72 x 72 x 45 | 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 / Encoder (Factory Set) | | |
| Range | 0 - 9999 Count (Configurable) | | |
| Output | 1 Relay, 1 C/O, 5A@230V DC or SSR Output (Any one factory set) | | |
| Specification | | | |
| Count Direction | Up / Down (Configurable) | | |
| Memory | Yes / No (Configurable) | | |
| Reset | Auto / Manual Reset / Reset at back | | |
| Power Supply | 230V AC \pm 10%, 50 HZ | 100-250V AC, 50/60 HZ | |
| Note | Doble set point & scale factor available on customer request. | | |

APPLICATIONS

Pharmaceutical Machinery

Product Counting Machinery

Packaging Machinery

Technical Specifications

| Input | |
|-------------|--------------------------|
| Sensor Type | NPN / PNP |
| Input Type | Proximity , Micro switch |
| Input Speed | 3Hz, 30Hz 500 Hz |
| Accuracy | ± 1 Count Full Scale |

| Output | |
|----------------|-----------------------|
| Sensor Supply | Inbuilt +12V DC, 30mA |
| Relay Contact | 2 C/O |
| Contact Rating | 5A @ 230V AC |

| Auxiliary Supply | |
|-------------------|--------------------------|
| Supply Voltage | 100 to 250V AC, 50/60 HZ |
| Power Consumption | 4VA MAX |

| Functional Specifications | |
|---------------------------|--------------------------------|
| Modes | Delay On, Delay OFF |
| Range | 0-999.9 to 9999 |
| Resolution | 1 Count |
| Counting Direction | UP / DOWN Selectable |
| Set Point | 2 |
| Scale Factor | Multi & Divide Factor 0-999 |
| Reset | Front Remote |
| Memory Retention | YES |
| Configuration Lock | PASS |

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

| Visual Specification | | | | | | | |
|--|---|---|---|--|--|---|--|
| Display | <table border="1"> <thead> <tr> <th>PC-1044</th> <th>PC-2044</th> </tr> </thead> <tbody> <tr> <td colspan="2">Upper :- 4 Digit 7 seg 0.70" Red LED Display</td> </tr> <tr> <td colspan="2">LOWER :- 4 Digit 7 seg 0.4" Green LED Display</td> </tr> </tbody> </table> | PC-1044 | PC-2044 | Upper :- 4 Digit 7 seg 0.70" Red LED Display | | LOWER :- 4 Digit 7 seg 0.4" Green LED Display | |
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| Upper :- 4 Digit 7 seg 0.4" Red LED Display | | | | | | | |
| LOWER :- 4 Digit 7 seg 0.3" Green LED Display | | | | | | | |
| LED Status | Relay Indication LED | | | | | | |

| Physical | | | |
|---------------------|---|---------|---------|
| | PC-1044 | PC-2044 | PC-444 |
| Mount | Panel | | |
| Enclosure | Molded ABS | | |
| Weight | 300gm | 180gm | 140gm |
| 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 167°F) |
| Humidity | 95% RH Non-condensing |
| Protection | IP 65 (Front Side) as per requirement |