

Miniature, 6 digit  
LCD PCB mount  
totalizing counter  
designed for minimal  
power requirement



Shown with panel mount bezel

DP-7000 / DP-7000AS



Shown as PCB mount

UL E 135458 LR 96702

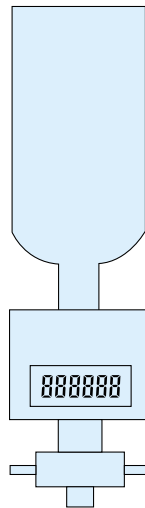
These miniature 6 digit totalising counters are suitable for either direct PCB mounting, or panel mounting with bezel supplied.

- Uses the latest CMOS circuitry to achieve quiescent current consumption of less than 5µA.
- 6mm black character high contrast LCD display.
- Bi-directional counting (DP-7000AS model).
- Counts pulses up to 10kHz frequency.
- External reset input.
- UL and cUL/CSA recognized.

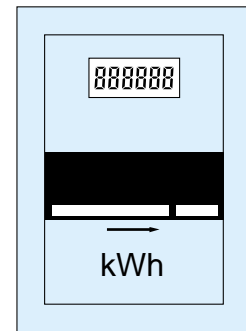
The DP-7000 / DP-7000AS can also be configured to count electro-mechanical contact closure events using an external resistor and capacitor. Similarly the supply voltage can be increased using an external resistor and 3V zener diode. See instruction leaflet for details.

## Typical Application

- \*Event counting
- \*Position, length and distance measuring applications
- \*Direct PCB mounting where limited space is available
- \*Low power battery applications
- \*Portable equipment



Drinks Optics

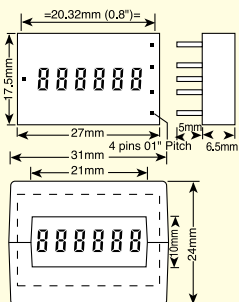


Electricity Meters

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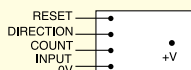
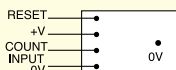
## Dimensions

27.6mm(W) x 17.7mm(H) x 6.5mm(D)  
Panel cutout 29.4mm x 22mm



7000 pin connections

7000AS pin connections



## Specification

**Supply Voltage**  
2.6 - 3.4VDC

**Current Consumption**  
5µA quiescent, 10µA at 10kHz

**Display** 6 digit black LCD, 6mm characters with leading zero blanking

**Count Range** 999999 display rollover to 0

**Count Input**  
10kHz maximum, negative edge triggered, 0.7V threshold, 50µS minimum pulse length, TTL/CMOS Compatible

**Reset Input**  
Negative edge triggered, 0.7V threshold, 15mS minimum pulse length, TTL/CMOS Compatible

**Direction Input (DP-7000AS model)**  
Add=logic 1, Subtract=logic 0 (0V)

**Operating Temp.** -10°C to +60°C

**Storage Temp.** -10°C to +60°C

**Material**  
Clear polycarbonate

**Environmental Protection**  
IP40/DIN40050

**Weight**  
7.5 grams

## Ordering Information

Order by type number:

**DP-7000** Uni-directional, count up  
**DP-7000AS** Bi-directional, (Add/Subtract)

Supplied with full instructions