

BATTERY POWERED RATE/TOTAL METERS



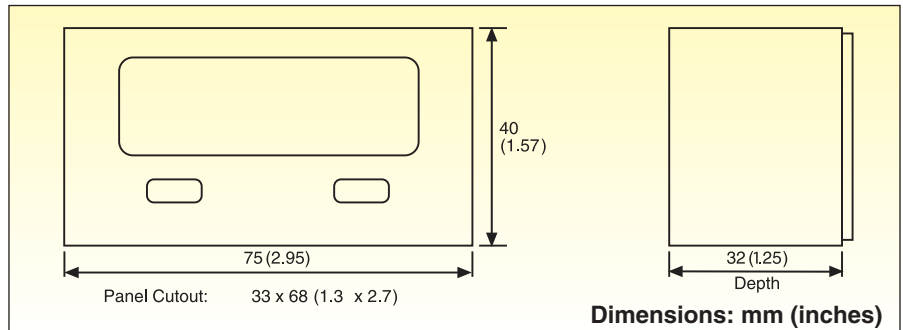
DPC10-CS up/down counter
(solid state input) as shown, £78



DPC10-RM ratemeter (1/tau) as shown, £78

Shown actual size

DPC10 Series
£78



- ✓ Totalizer
- ✓ Ratemeter
- ✓ Ratemeter/Totalizer
- ✓ Up/Down Counter (SS Input)
- ✓ Up/Down Counter (Contact Input)
- ✓ Quadrature Totalizer

The DPC10 Series includes a selection of battery operated ratemeters, totalizers, quadrature meters, and a unique combination of ratemeter/totalizers housed in a compact DIN size and NEMA 4X (IP66) enclosure.

The DPC10 Series offers the largest LCD [11 mm (0.43")] available in this compact size, along with an easy-to-read display. Setup and scaling are easily accomplished via the two front-panel pushbuttons. These versatile counters offer the latest technology and ease of use you have come to expect from OMEGA.

SPECIFICATIONS

General

Physical Specifications

Display Type: Seven-segment LCD

Character Height: 11 mm (0.43")

Package

Material: Cyclac X-17

Mounting: Panel mount (mounting clips and gasket provided)

Connections: Screw terminals

Environmental

Storage Temp: -20 to 70° C (-4 to 158°F)

Operating Temp: 0 to 55° C (32 to 131°F)

Operating Humidity:

90%, non-condensing

Front Panel Design: Enclosure protected to IP65 standard when mounted with gasket provided

Dimensional

Dimensions: 40 H x 75 W x 32 mm D (1.57 x 2.95 x 1.25")

Panel Cutout: 33 H x 68 W (1.3 x 2.7")

Operational

Totalizer and Quadrature: Models DPC10-TL, DPC10-CS, DPC10-CC, DPC10-QT, DPC10-RT

No. of Decades: 8 up, all models; 7 down with minus sign, models DPC10-RM, DPC10-CC, DPC10-QT

Decimal Point: 4 places or none displayed. Model DPC10-TL does not have a decimal point

Scaler Range: 0.0001 to 99.9999. Entering 0.0000 scales/100.0000

Count Modes: High = 10 kHz, Low = 20 Hz,

Selectable High or Low: DPC10-TL, DPC10-RM, DPC10-RT

High Only: DPC10-CS, DPC10-QT

Low Only: DPC10-CC

Rate Indicator (Models DPC10-RM, DPC10-RT)

No. of Decades: 4 calculated; 5 displayed with fixed 0 in least significant digit

Decimal Point: 4 positions or none displayed

Scaler Range: 0.001 to 9999

Method of Calculation: 1/Tau

Accuracy: ±0.2%

Update Time: 0.7 seconds minimum

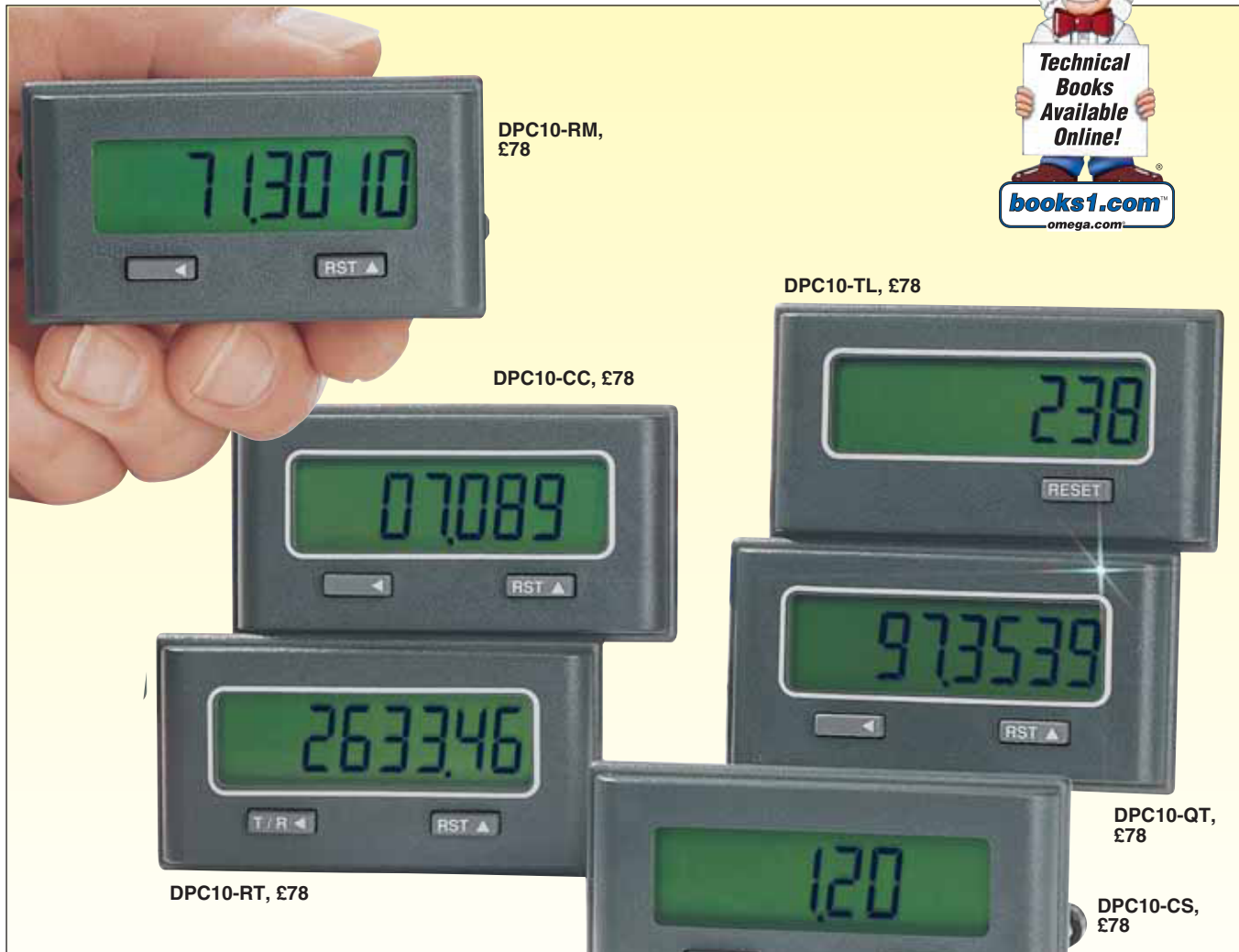
Zero Time: 10 seconds fixed

Electrical

Power Source: User-replaceable 3V lithium battery, included

Battery Life: Approximately 5 years (depending on application)

Weight: 198 g (7 oz)



Inputs

Contact: Models DPC10-TL, DPC10-CC, DPC10-RM, DPC10-RT
Input Required: Sinking, for use with a contact closure to ground
Debounce Circuitry: Standard
Max. Input Speed: 20 Hz
Minimum Low Time: 10 msec
Minimum High Time: 40 msec
Signal Required: <0.4 Vdc Low, >2.0 Vdc High
Input Impedance: 100 kΩ to +3 Vdc
Solid State: Models DPC10-TL, DPC10-CS, DPC10-QT, DPC10-RM, DPC10-RT
Input Required: External voltage source required for use with devices having open collector/transistor outputs
Maximum Input speed: 10 kHz
Minimum Low Time: 80 μsec

Minimum High Time: 20 μsec
Maximum Input Voltage: 28 Vdc
Signal Required: <1.2 Vdc Low, 2.0 Vdc to 28 Vdc High
Input Impedance: 2 kΩ above 5 Vdc

RESET—Dry Contact Closure
Minimum Low (closed contact): 0.25 to 1.0 sec
Solid State Signal Required: <0.4 V Low >2.0 Vdc High

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
DPC10-TL	£78	Totalizer, 8-digit, no scaling, no decimal point
DPC10-CS	78	Up/down counter (solid state input)
DPC10-CC	78	Up/down counter (contact input)
DPC10-QT	78	Quadrature totalizer
DPC10-RM	78	Ratometer (1/tau)
DPC10-RT	78	Ratometer/totalizer
DPC10-BATT	6.70	Replacement battery
FSW-344	84	Reference Book: Fundamentals of Industrial Control

Comes with complete operator's manual.

Ordering Example: DPC10-RT mini-counter, ratemeter/totalizer, £78 . DPC10-RM, ratemeter, £78





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