

# DC-180

Series

# COUNTING SCALE



**High precision counting scale with two scale system, 30 item memory plus PC link capability, packaged into a compact portable design**

**The DC-180 Series assures high accuracy counting performance for a wide range of items from ultra light electronic components to the largest manufactured parts with a variety of capacities on a second remote weighing platform.**

- Automatic recomputing function to enhance sampling accuracy
- Count accumulation and subtraction function
- Net weight/Gross weight display out
- Programmable setpoints for over/under counting and weighing operations
- Negative sampling and counting capability
- Auto power off function
- lb/kg display conversion

(subject to local regulation)

- 30 item memory  
Unit weight and two setpoint data/item
- Two setpoint signals output, via optional Set point I/F
- Data output to external device via optional RS-232C I/F



- High internal resolution 1/500,000
- Three large bright fluorescent displays
- Completely portable using rechargeable battery (DC-182 Series)
- Easy to use full function numeric keypad

### Selection guide

#### 1. DC-181 Series

single channel built-in scale

Model	Max
DC-181-G500/L1	500g/1 lb
DC-181-K1/L2.5	1kg/2.5 lb
DC-181-K2.5/L5	2.5kg/5 lb
DC-181-K5/L10	5kg/10 lb
DC-181-K10/L25	10kg/25 lb
DC-181-K25/L50	25kg/50 lb

#### 2. DC-182 Series

two channels, for built-in scale and second platform (maximum capacity of 10,000 kg/25,000 lb) with capability of connecting to 4 load cells

Model	Max
DC-182-G500/L1	500g/1 lb
DC-182-K1/L2.5	1kg/2.5 lb
DC-182-K2.5/L5	2.5kg/5 lb
DC-182-K5/L10	5kg/10 lb
DC-182-K10/L25	10kg/25 lb
DC-182-K25/L50	25kg/50 lb

\*Meets or exceeds the requirements of OIML Class III.

\*Specifications are subject to change without notice.

### Specifications

#### General

- Weight display resolution — 1/10,000, 1/5,000 or 1/2,500(selectable)
- Counting resolution — 1/500,000
- Power source — AC115/220/230/240, 50/60Hz
- Power consumption — 18W
- Operating temperature — -10°C to 40°C (14°F to 104°F)
- Physical dimensions — 304(W) × 295(D) × 115(H) mm/  
12 × 11.6 × 4.5 inches
- Net weight — 4.6 kg/10.1 lb

#### Analog section

- Input sensitivity — 0.40mV/V to 2.46mV/V
- Zero adj. range — ±127% FS
- External loadcell excitation — 12 VDC, 140mA(max.)

#### Digital section

- Weight display — 5 digits
- Unit weight display — 5 digits
- Quantity display — 6 digits
- Setpoint data — Setpoint 1—Quantity(5 digits) or Weight(5 digits)  
Setpoint 2—Percentage, quantity or weight
- Connectors — Loadcell input(AmphenoI 14-pin)(DC-182 Series)  
Rechargeable battery use(DC-182 Series)

#### Options

- I/F board both for RS-232C and Set point I/F's

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