

LEGAL-FOR-TRADE WEIGH SCALE PANEL METERS NTEP APPROVED PER HB44

DP41-W



Starts at
\$595



DP41-W, \$595, with LC101 load cell, see page F-51, shown larger than actual size.

- ✓ 5-Year Warranty
- ✓ NTEP Approved for Class III and III L/Up to 10,000 Divisions
- ✓ 5-Point Linearization
- ✓ Scales in Any Engineering Unit (lb, kg, oz, etc.)
- ✓ Display Shows Units Measure
- ✓ Min, Max, and Tare Functions
- ✓ 6-Wire Bridge Connection
- ✓ Net/Gross Button
- ✓ Zero Error Correction
- ✓ Fixed Tare Capability

The DP41-W is a highly accurate, stable weighmeter with a NEMA 4 (IP65) splashproof keypad. With its adjustable filtering feature, this powerful meter achieves rock-solid readings in critical applications. Self-contained in a traditional 1/2 DIN case design, it can be used as a weighmeter, a standard 2-point scalable meter, or a 5-point scalable meter. Possible applications for the 5-point scalable meter include measuring liquid levels of tanks and improving non-linear sensor characteristics.

SPECIFICATIONS

Accuracy: 0.005% rdg, ± 1 count
Input: ±50 mV, ±500 mV, ±5V, ±50V, 100 mV, 1V, 10V, 100V, 4 to 20 mA, 0 to 20 mA

Excitation:

AC-Powered Models:

Adj 1.5 to 11 Vdc (5 Vdc @ 60 mA, 10 Vdc @ 30 mA or 24 Vdc @ 25 mA)

DC-Powered Models:

Adj 1.5 to 11 Vdc (5 Vdc @ 60 mA, 10 Vdc @ 120 mA or 24 Vdc @ 30 mA)

NTEP Approvals: COC #92-152 Class III and III L—to 10,000 divisions max

Operating Temperature: 0 to 50°C (32 to 122°F)

Storage Temperature: -40 to 85°C (-40 to 185°F)

Temp Coefficient: 20 ppm/°C

Relative Humidity: 95% @ 40°C (104°F), non-condensing

Display: 6-digit, red LED, 13.8 mm (0.54") high

Display Range: -199999 to 999999

Connections: Input screw terminals; remote-contact pin terminals

External Features: Tare, reset tare, display hold



MDS41-W, benchtop version of DP41-W, \$770, see page D-39, shown with LSC6400-1818-1K benchtop platform scale, \$645, see page F-103.

Outputs: 4 open collectors; 150 mA @ 1V sink, 30V max
Step Response: 36 ms for 63%, 145 ms for 98%, 218 ms for 99.8%

Filtering: Adj to 13 Hz

RS232 Communications (Optional): 300/1200/2400/4800/9600/19.2K baud; RJ11 4-wire connection; complete program setup and message display capability; programmable to transmit current display, alarm status, min/max, actual measured input value (not scaled) and status

RS485 Communications (Optional): 300/1200/2400/4800/9600/19.2K baud; RJ12 6-wire connection; addressable from 0 to 199

Analog Output (optional): Selectable 0 to 5 Vdc, 1 to 5 Vdc, 0 to 10 Vdc, 0 to 20 mA, 4 to 20 mA; voltages @ 20 mA, current @ 12 Vdc

POWER REQUIREMENTS

Voltage: 115 Vac @ 50 to 60 Hz (230 Vac optional)

Power Consumption: 10 W max

MECHANICAL SPECIFICATIONS

Dimensions: 48 H x 96 W x 156 mm D (1.89 x 3.78 x 6.13")

Panel Cutout: 1/8 DIN, 45 mm H x 92 W (1.77 x 3.62")

Weight: 600 g (1.316 lb)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
DP41-W	\$595	Panel mount weigh meter with red display
MDS41-W	770	Benchtop weigh meter with red display

SUFFIX	MODEL NO.	PRICE	DESCRIPTION
-A3	DP40-A3	\$110	Scalable current or voltage analog output
-R	DP40-R	75	Dual SPDT mechanical relays
-S2	DP40-S24	110	Isolated RS232 communications, RJ11 termination
-S4	DP40-S24	110	Isolated RS485 communications, RJ12 termination

ACCESSORIES FOR COMPUTER COMMUNICATIONS

MODEL NO.	PRICE	DESCRIPTION
DP40-9SC2	\$30	RS232 9 D pin converter from RJ11 phone jack
DP40-25SC2	30	RS232 25 D pin converter from RJ11 phone jack
DP40-9SC4	30	RS485 9 D pin converter from RJ12 phone jack
DP40-25SC4	30	RS485 25 D pin converter from RJ12 phone jack

Note: Order either "-S2" or "-S4" option. Use an accessory for proper termination to a computer.

Comes complete with operator's manual.

To order with green display, add suffix "-GN" to model number, no additional cost.

To order 230 Vac power option, add suffix "-230" to model number, no additional cost.

Ordering Example: DP41-W-S2, weigh meter with RS232 computer communications, DP40-25SC2, 25 D pin connector, \$595 + 110 + 30 = \$735.

LOAD CELLS
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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters