DC-300

HIGH RESOLUTION COUNTING SCALES

WEIGHT / UNIT WEIGHT / QUANTITY

0.000lb   0   0

I WILL CONNECT YOU

Connectivity to the Third Power

1
Peripherals Enhance Inventory Solutions

Manual data entry is extremely susceptible to error. The DC-300's three standard RS-232 interfaces allow the connection of a scanner reducing the chance of error by 10,000 times and is 80 times faster than writing data on forms. Adding a printer to the DC-300 for parts counting and labeling applications further improves accuracy by once again eliminating hand written data.

Increasing processing speed and accuracy reduces costs in labor and capital. In turn, management decisions improve with faster access to information.

Printing product data and statistics defines the unlimited versatility of the DC-300 Series. Connect it to a computer running IMS (Inventory Management System) and have easy access to high level inventory management information.

Complete inventory and data collection solutions are available off-the-shelf with the vast connectivity options of the DC-300 Series.
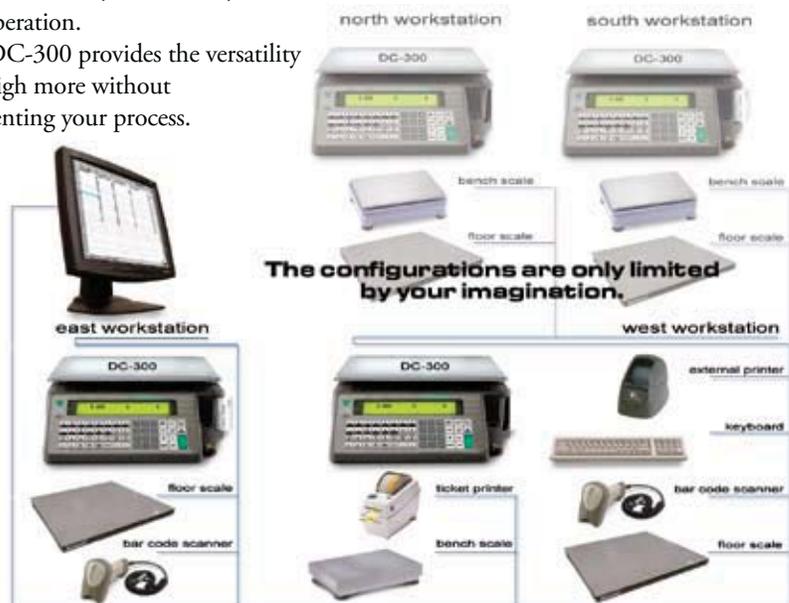
2
Remote Scales Expand Weighing Capabilities

As your business evolves, the DC-300 Series can grow and expand with your needs. Start with a DC-300 counting scale, but don't let the 50 lb capacity or large 11" x 14" platter limit you. If you need greater capacity or a larger platter, add a floor scale, bench scale, or both to the operation.

The DC-300 provides the versatility to weigh more without reinventing your process.

3
Built-in Ethernet Technology

The DC-300 is equipped with Ethernet technology that can be used to upload or download databases and configuration parameters with DIGI's software utility.

north workstation   south workstation

DC-300   DC-300

bench scale   bench scale

floor scale   floor scale

The configurations are only limited by your imagination.

east workstation   west workstation

DC-300   DC-300   external printer

keyboard

floor scale   ticket printer   bar code scanner

bar code scanner   bench scale   floor scale

![DIGI - When Accuracy Counts]

Supplying Versatility to

DC-300 Series

Successful inventory management requires precision, speed, and network communication. A complete inventory solution boosts accuracy, saves labor and increases profits by providing decision making information. From basic counting to multiple scale networking, the DC-300 Series is a sophisticated line of counting scales offering:

- Precise weighing and counting
- Advanced programming capabilities

It's ideal for stockrooms, receiving parts verification, parts scanning, and labeling. No matter what the application, a counting scale has never had such straightforward operation and intuitive, flexible programming.

The DC-300… an advanced counting solution with a tremendous magnitude of value.

High Resolution Provides Ultimate Precision

In your operation, the weight range of parts varies tremendously. From heavier objects such as a wheel for assembly to tiny resistors for electronic production, they all need to be counted to maintain an accurate inventory. The DC-300 Series meets this counting challenge. With a counting resolution of 1,000,000, it is capable of processing a wide range of piece sizes with just one scale. Weigh parts as small as .4536 mg (.000001 lb) up to an accumulated total of 50 lbs. And if that's not enough, just add a bench scale or floor scale for even greater capacity.

Increased Memory For Growing Businesses

As the ultimate response to process demands, 2 MB of memory allow operators to store inventory data for an entire business (up to 4,000 items). The DC-300 stores 13 memory fields for each item including ID codes, part numbers, piece weights, tare weights, lot numbers, inventory balances, vendor information, and more. Best of all, the information can be recalled with the press of a key.

Negative Counting Delivers Practical Functionality

Common counting applications involve adding pieces to a target quantity. Negative counting tracks the number of pieces being removed from a bulk container. Whether using a DC-300 alone or in combination with a floor scale, the negative counting feature means items can be removed without manual tracking—saving time and improving accuracy.

Flexible Setpoints Increase Efficiency

The DC-300's versatile setpoints are essential to reducing errors and increasing operator speed. A first tone signals the target value is approaching and a second tone confirms the target is achieved. Operators only need to listen for the tone during filling instead of watching the display which optimizes efficiency in kitting or large piece counting applications. There are four different setpoint options including quantity, percentage quantity, weight and percentage weight.

a Multitude of Counting Operations

**Alphanumeric Keyboard Increases
Data Entry Speed and Access to Critical Data**

unit weight part numbers
negative counting
inventory

LOCATE KEY
Displays item location.

INVENT KEY
Current level of inventory for given ID Code.

SET PT KEY
Setpoint values and type.

NON ADD KEY
Allows counting without adding or removing from inventory.

IN & OUT KEYS
Add or remove from inventory.

NET/G KEY
Toggle between net and gross count.

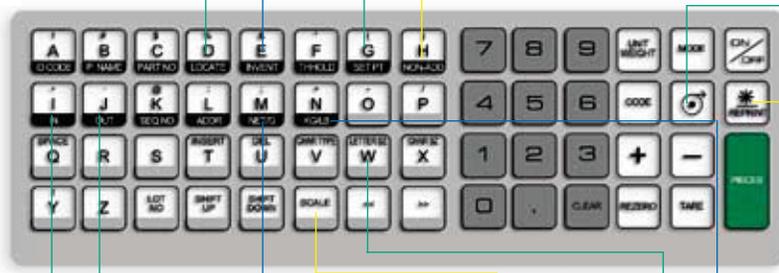**SCALE KEY**
Toggle between scale A, B, C or D.

LETTER SZ KEY
Toggle between upper case and lower case characters.

LABEL FEED KEY
Feed label or receipt paper.

REPRINT KEY
Print labels and reports.

KG/LB KEY
Toggle between kg and lb units of measure.

Performance on Display

**Bright Display Supplies
Valuable Data**
A vivid, backlit, dot matrix LCD displays weight, unit weight and quantity values, and a second line shows alphanumeric information. This two line display provides all data on one screen.

**Prompts Ensure
Operator Consistency**
It's a snap! Using the full alphanumeric keyboard, program up to 10 different prompts to direct operators in kitting or complicated applications. Prompts are displayed until the operator enters the correct information and presses an assigned function key. Through intuitive programming, operator prompts enhance any application by decreasing errors and increasing task efficiency.

0.000lb   0
ENTER PART NO

0.000lb   3.254   0
PLACE PARTS ON SCALE

The DC-300 instructs the operator to enter the part number and then place the parts on the scale. The procedure can continue with further prompting (up to 10 prompts total) for accumulation, printing a label, and removing parts from inventory for report generation. Tare and unit weight can be stored for each part, making the procedures even more efficient.

Capacity & Resolution

DC-300, 1 lb ....0.0001 lb ....5.5" x 8"
DC-300, 2.5 lb. ....0.0002 lb ....7" x 10"
DC-300, 5 lb ....0.0005 lb ....9" x 12"
DC-300, 10 lb ....0.001 lb ....11" x 15"
DC-300, 25 lb ....0.002 lb ....11" x 15"
DC-300, 50 lb ....0.005 lb ....11" x 15"

DC-300
Internal Direct Thermal Printer

Printing labels and generating detailed reports has never been more convenient with the DC-300's built-in direct thermal printer. A software utility simplifies custom formatting—up to 99 labels or simply use one of the 16 preprogrammed label formats! With an easy slide-out paper tray, changing from label stock to paper for report generation is a fast operation. Creating reports showing shelf location, inventory, or item lists on demand is available directly from the DC-300 counting scale.

For a user-friendly, all-in-one counting and printing system, choose the DC-300 with its distinguishing features and compact design.

DIGI
When Accuracy Counts

STANDARD FEATURES

- Two-line alphanumeric display shows weight, unit weight, quantity and text messages
- Bright backlit dot-matrix Liquid Crystal Display (LCD)
- Job sequencing
- Setpoint capabilities
- 4000 item memory*
- Ethernet
- Three RS-232 ports
- 1,000,000 counting resolution
- Internal direct thermal printer
- Report generation
- 16 preprogrammed and 99 custom label formats

OPTIONS/ACCESSORIES

- IMS Inventory Management System (single or multiple versions)
- Floor scales
- Bench scales
- Laser bar code scanners
- Zebra® LP-2824 bar code printer
- Rechargeable battery (DC-200 only)

SPECIFICATIONS

DISPLAY..Two-line backlit alphanumeric dot-matrix showing:
Weight: five-digits Unit Weight: five-digits
Quantity: seven-digits

CAPACITY.......................................2.5 x .0002 lb.
5 lb. x .0005 lb.
10 lb. x .001 lb.
25 lb. x .002 lb.
50 x .005 lb.

DISPLAY RESOLUTION...................2500, 5000, 10,000
INTERNAL RESOLUTION................1,000,000
POWER SOURCE ....115 VAC (50/60 Hz), 25W
INPUT SENSITIVITY.........................0.4–2.0 mV/V
LOAD CELL EXCITATION................12 VDC
NUMBER OF CHANNELS ....3 scales (1–internal, 2–4x350Ω load cells each)
INTERFACES...................................1–IBM keyboard, 3–RS-232, 1–Ethernet
MEMORY...2 MB (4000 PLU)*
BUILT-IN PRINTER...........................DC-300 only (direct thermal-70 mm/sec)
PROGRAMMABLE PER ITEM ....ID Code (32 digits), unit weight (5 digits), part number (32 digits), part name (32 digits), location data (32 digits), inventory (8 digits), threshold (8 digits), tare weight (5 digits), setpoints, label format, lot number
PRINTING ITEMS ....ID code, lot number, net weight, gross weight, unit weight, tare weight, part name, part number, quantity, in, out, no-add, bar code (code 39, 128), sequence number
OPERATING TEMPERATURE ....14º F to 104º F (-10º C to 40º C)
DIMENSIONS..................................16" L x 15" W x 5.5" D
(410 mm L x 378 mm W x 140 mm D)
Platter: 11" x 14" (280 mm x 356 mm)
ESTIMATED SHIPPING WEIGHT .....38 lb (17.2 kg)

3500 item memory maximum if all programmable items are utilized

IMS Inventory Management System

DIGI's Inventory Management System (IMS) is a comprehensive software package that stores and manages data on your PC. With the DC-300 Series you can create custom reports for inventory, threshold, location and more. It is designed for operators with minimal computer experience and managers who require quick and accurate information. Scales can be added or moved on-the-fly without interrupting other scales operating on the network. IMS is the solution for real-time inventory management.

For information on inventory control using bar coding, refer to the white papers at www.ricelake.com.