

## STANDARD FEATURES

<b>Display</b>	8 lines x 40 char LCD display with Back Lighting (Green or White available)
<b>Keyboard</b>	63-key sealed membrane with audible and tactile feedback using dome switch design PS/2 external keyboard interface port
<b>Clock Flash Watchdog Timer</b>	Leap Year compliant Time/Date 32MB provides over 8000 ID storage Fault tolerant operation
<b>Communications</b>	Serial Port 1 Full duplex RS232 or 20mA current loop Serial Port 2 Full duplex RS232 or RS485 Serial Port 3 Full duplex RS232 or 20mA current loop Digital Port 8 TTL outputs & 7 TTL inputs Parallel port Centronics compatible printer port Print Formats 8 user configurable print formats
<b>General Specifications</b>	Power 80/260VAC ±10% @ 50/60Hz Internal A/C power supply Power Consumption 3W @ 115VAC; Operating Temperature -10 to +40 °C. Enclosure Painted Mild Steel (Stainless Optional) Weight 7.12 lb (3.22 kg) Warranty One year limited

## OPERATION INFORMATION

The DT220 is the next generation data terminal/Indicator designed to bring enhancement features and simplify your applications. With the Analog Scale Interface option installed the DT220 has an internal High Speed Weight Indicator that provides real time diagnostics.

In the terminal configuration this versatile and cost-effective terminal supports many external indicators and provides standard features that enable it to interface with many devices including ticket, tape and bar code label printers, scanners and remote displays, solid-state relays, PLC and computers to meet a wide range of applications.

The compact design of the DT220 combines flexibility and speed with easy-to-use operator interface that incorporates a bright backlit LCD display and full alphanumeric keyboard with large keys.

The DT220 is fully programmable in an easy and flexible macro language called Scale Basic™. In addition to the standard mode of operation, Scale Basic allows you to customize the operation of the DT220 to meet your application requirements. The Scale Basic language provides various commands and functions that include: math operations, I/O control, setpoints, timers, data entry, ID storage, message display, and program sequence control among others. Programming the DT220 can be performed through the keyboard or a PC using the optional EZ-LINK™ software that greatly facilitates setup and programming.

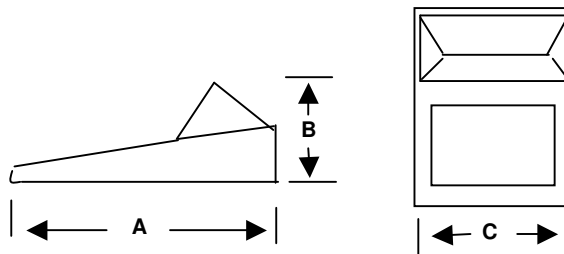
## OPTIONS

<b>Analog Scale Module</b>	Internal Load Cell Interface Module Internal Resolution 24-bit A/D Sigma-Delta; 8,000,000 d Display Resolution 200,000 graduations (Ind) 10,000 hb44 Display Increments Selectable 1, x2, x5, x10, x20, x50, x100 Decimal Point Selectable 0, 1, 2, 3, 4 decimal places Conversation Rate 60, 120, 240, 480 or 960 samples/second Signal Sensitivity 0.1 uV/graduation (min) Signal Range 0.1 mV/V - 3.4 mV/V Load Cell Excitation 10 VDC Load Cell Current 240ma (8, 350 ohm Load Cells) Auto Zero Tracking 0 to 60 grads, @1/4 grad increments. Auto Zero Delay 0 to 25 sec, @0.1 sec increments. Motion Detect 0 to 60 grads, @1/4 grad increments. Motion Delay 0 to 25 sec, @0.1 sec increments. Digital Filter 19 settings (0 to 18). Calibration Front Panel - zero & span stored in Flash Memory, Selectable multi-point (up to 5)
<b>Analog Output Module</b>	Fully isolated 0-10VDC or 4-20mA; 16-bit Resolution; 650Ω load resistance
<b>Relay Board Module</b>	8-channel External relay box
<b>Relay Modules</b>	Input/output solid-state (AC/DC) relays
<b>External Keyboard</b>	PS/2 keyboard (wash down available)
<b>EZ-LINK™</b>	PC software; facilitates configuration and Scale Basic™ programming and Data Base maintenance
<b>Custom programming</b>	Application specific (Consult factory)

## DIMENSIONS

### Desktop

A = 11.20" (284.48 mm)  
B = 4.10" (104.14 mm)  
C = 8.575" (217.805 mm)





# INDUSTRIAL DATA SYSTEMS

WEIGHING TECHNOLOGY LEADERS

## APPLICATIONS

- Gross, tare and net weighing
- Vehicle and railroad weighing
- Labeling and Barcode printing
- Multi-container and axle weighing
- Keyboard and ID recall tare weights
- Bulk-weighing and bagging systems
- Single step or weigh-in and weigh-out
- Batching and process control systems
- Interface with controls, PLC & computers
- Integrator for basic balances and indicators

## FEATURES

- 8 lines x 40 char LCD display backlit (green or white)
- 63-key sealed membrane with audible and tactile feedback
- Programmable in Scale Basic™ macro language for application development (Real-Time Event Driven)
- Continuous serial scale input protocol with interfaces for a wide variety of indicators and balances
- Simulates A&D, Condec, Weigh-Tronix and Ohaus continuous serial output communications protocols & provides user programmable custom serial protocols
- Password protection to prevent unauthorized tampering
- Built in diagnostic functions for memory, display and I/O ports
- Primary and secondary units with conversion factors
- Digital port for relay control & digital input
- Parallel Centronics printer interface port
- 3 full duplex serial ports: RS232, RS485 and 20mA current loop
- Selectable baud rates and data formats
- Barcode scanner/card reader, RFID & PC serial input interface
- Time and Date Clock Leap Year compliant
- 32MB non-volatile Flash provides over 8000 stored IDs (part, truck, transactions, etc.)
- Selectable address for multi-drop RS485 network interface
- PS/2 keyboard interface port
- Uncased versions for panel mounting

## OPTIONS

- 24 Bit Analog Scale Interface card for digital indicator features
- 4-20mA/0-10VDC isolated analog output with 16-bit resolution
- Relay modules for setpoint control or remote operation
- Input/output solid-state or dry contact relay modules (AC/DC)
- External PS/2 Keyboard (wash down available)
- Custom Enclosures for complete all in one systems
- Custom application programming (consult factory)

# MODEL **IDS DT220**

## DATA TERMINAL/INDICATOR



Desktop DT220



Rear Panel



US NTEP CERTIFICATE # 06-093  
CANADIAN CERTIFICATE #AM-5614

MADE IN U.S.A.