

STANDARD FEATURES

Display	8 lines x 40 char LCD display with Back Lighting (Green or White available)
Keyboard	63-key sealed membrane with audible and tactile feedback using dome switch design PS/2 external keyboard interface port
Clock Flash Watchdog Timer	Leap Year compliant Time/Date 32MB provides over 8000 ID storage Fault tolerant operation
Communications	
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
General Specifications	
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.

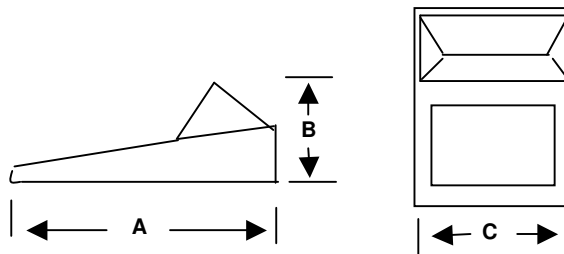
OPTIONS

Analog Scale Module	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)
Analog Output Module	Fully isolated 0-10VDC or 4-20mA; 16-bit Resolution; 650Ω load resistance
Relay Board Module	8-channel External relay box
Relay Modules	Input/output solid-state (AC/DC) relays
External Keyboard	PS/2 keyboard (wash down available)
EZ-LINK™	PC software; facilitates configuration and Scale Basic™ programming and Data Base maintenance
Custom programming	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.