The SDT200 is the next generation data terminal designed to bring enhancement features to indicators, balances and other basic instruments. This versatile and cost-effective terminal supports many 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 and computers to meet a wide range of weighing applications. The compact design of the SDT200 combines flexibility and speed with easy-to-use operator interface that incorporates a bright vacuum fluorescent display and full numeric keyboard with large keys. When used with the optional digital summing module (DSM), the SDT200 offers a complete digital weighing technology solution using standard analog load cells. This solution eliminates the use of conventional junction boxes, enables digital calibration with out test weights and provides real time diagnostics for individual load cell.

The SDT200 is fully programmable in an easy and flexible macro language called Scale Basic™. In addition to the built-in modes of operation, Scale Basic allows you to customize the operation of the SDT200 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 SDT200 can be performed through the keyboard or a PC using the optional EZ-LINK™ software that greatly facilitates setup and programming.

### MODES OF OPERATION
- **MODE 0 - Normal**
  - Basic gross, tare and net weighing
- **MODE 1 – Fill to Setpoint**
  - Single setpoint fill with relay output control and weight print
- **MODE 2 - Over/Under Checkweigh**
  - Provides 3 TTL outputs and 2 setpoints to indicate over, under and between weight conditions. Outputs can activate lights or alarms
- **MODE 3 – Vehicle Weigh-In/Out with Totals**
  - Weigh-In/Out program for up to 500 vehicles; Maintains running totals for each vehicle; Provides reporting functions
- **MODE 4 - Multi-Container/Unattended Axle Weighing**
  - Auto weighs and prints each weight placed on the scale; Each weight is sequentially numbered and accumulated; The total can be printed manually or automatically; Provides traffic light control
- **MODE 5 – Unattended Axle Weigh (Long Scales)**
  - Same as Mode 4 but previous axles are auto tared
- **MODE 6 – ID Tare, Print and Total**
  - Provides tare entry and recall by ID; Prints ID, sequence # and GTN weights; Keeps running totals by ID; Provides reporting functions

### DIMENSIONS

- **Wall Mount**
  - A = 9.75" (247.65 mm)
  - B = 8.38" (212.852 mm)
  - C = 8.88" (225.552 mm)
  - D = 3.63" (92.202 mm)
  - E = 4.75" (120.65 mm)
- **Panel Mount**
  - A = 10.40" (264.16 mm)
  - B = Not used
  - C = 10.90" (276.86 mm)
  - D = 3.56" (90.424 mm)
  - E = 5.06" (128.524 mm)
  - Cut out = 8.40" H x 8.90" W (213.36 mm H x 226.06 mm W)
**MODELS**

**IDS SDT200**

**DATA TERMINAL**

**APPLICATIONS**
- 7 Built in modes of operation
- Gross, tare and net weighing
- Vehicle and railroad weighing
- Multi-container and axle weighing
- Label formatting and page printing
- Keyboard and ID recall tare weights
- Single step or weigh-in and weigh-out
- Interface to Distributed Control System
- Batching and process control systems
- Integrator for basic balances and indicators

**FEATURES**
- 8 digit vacuum fluorescent display (VFD) 0.5" (12.5 mm)
- 19-key sealed membrane with audible and tactile feedback
- 7 selectable modes of operation: Normal; Fill to Setpoint; Over/Under Checkweigh; Vehicle Weigh-In/Out with report totals; Multi-Container/Auto Weigh & Print; Unattended Axle Weigh with Traffic Light Control (Short/Long Scales); ID Tare, Print & Total
- Programmable in Scale Basic™ macro language for application development (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 protocol
- 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/Parallel port for relay control or Centronics printer interface
- 3 full duplex serial ports: RS232, RS485 and 20mA current loop
- Selectable baud rates and data formats
- Barcode scanner/card reader or PC serial input interface
- Time and Date Clock Y2K and Leap Year compliant
- 32K non-volatile RAM provides 500 stored IDs (part, truck, etc.)
- Selectable address for multi-drop RS485 network interface
- When used with the optional digital summing module (DSM), the SDT200 offers a complete digital weighing technology solution using standard analog load cells

**OPTIONS**
- Four channel Digital Summing Module (DSM/SDS200)
- 4-20mA/0-10VDC isolated analog output with 16-bit resolution
- 8 channel relay module for setpoint control or remote operation
- Input/output solid-state relay modules (AC/DC)
- Custom application programming (consult factory)