



**WESTERN SCALE CO. LTD.**

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## DF3500 CONVEYOR SCALE INDICATOR

### **Continuous load readings and conveyor data.**

The DF3500 is suitable for retrofitting existing conveyor scales or for complete conveyor scale systems. Weighs a continuous load on a running belt to display flow rate and total delivered weight.

### FEATURES

- Large LED Display with backlight
- Selectable displays of flow rate, accumulated total, belt speed & scale weight
- Keypad calibration - no pots or switches
- Battery backed-up totalizer and zero registers
- Belt running detection
- Mechanical counter pulse output, including clear
- NEMA 4 Enclosure
- 1 Fully configurable serial port
- 4-20mA rate output included
- Optional rate feeder closed loop speed control
- Keypad selectable rate and total setpoints



### SPECIFICATIONS

#### **POWER REQUIREMENTS**

- AC: 110 or 220 VAC .125 A
- Consumption: 500 mW

#### **EXCITATION**

- 10 V Typical. Up to 4 350  $\Omega$  load cells

#### **ANALOG INPUT RANGE**

- 8-35 mV

#### **MEASUREMENT RATE**

- 10 Samples/second

#### **FLOW RATE**

- 1 kg/lb to 9999 ton/tonne per hour
- Up to 10,000 displayed divisions (LFT).
- Up to 100,000 (NLFT).

#### **ACCUMULATION**

- Up to 999999 lb/kg/ton/tonne

#### **BELT SPEED**

- 999.9 ft./m per min (maximum)

#### **ENCODER FREQUENCY**

- 4 KHz to 20 KHz

#### **COMMUNICATIONS**

- 1 RS-232 serial port.
- Baud Rate: 75 - 9600
- Selectable output mode

#### **KEYPAD**

- Membrane keypad: 4 keys
- Bezel mounted

#### **DISPLAY**

- 1" (25 mm) LED display
- 6 BOLD digits (7 segments each)
- Weight & speed annunciators

#### **ENCLOSURE**

- NEMA 4 steel with latches
- Stainless steel model available

#### **DIMENSIONS** (Approx.)

- 10" x 8" x 6" (254mm x 203mm x 152mm)

#### **WEIGHT** (Approx.)

- 9 lb (4 kg)

#### **OPERATING TEMPERATURE**

- 14°F to 104°F (-10°C to 40°C)

#### **WARRANTY**

- 1 year standard warranty