TDC TRAFFIC SYSTEMS

DESIGNERS & MANUFACTURERS OF TRAFFIC DATA COLLECTION, MONITORING AND ENFORCEMENT SYSTEMS

LO-TRAC® 200

LOW-SPEED WEIGH-IN-MOTION & AXLE-BY-AXLE STATIC WEIGHING SYSTEM

The LO-TRAC 200 system provides a low cost means of measuring axle and gross vehicle weights either statically or dynamically.

The system can be used for enforcement of vehicle weight limits for government authorities or overload prevention for transport companies.

The electronic unit is encased within a polycarbonate enclosure to IP65 standard and can either be mounted directly on an office wall or enclosed in a separate cabinet for external mounting.

Connections to external equipment are made via DIN rail connectors within the electronic unit.

An RS232 (serial) connection is available for either a weight ticket printer or a desktop computer and an external, large character; weight display can be connected via RS485.

If a desktop computer is connected LO-WEIGH 100 Windows® software is available providing a graphical interface to the operator, functions for printing user specified weight tickets and data recording with report generation.

FEATURES

- Slow Speed Weigh-in-Motion
- Static Axle-by-Axle Weighing
- Fully Automatic & Unmanned Operation
- Vehicle Classification with automatic comparison to pre-determined axle and gross vehicle weight limits
- Built-in keypad & display for system configuration and key switch for calibration
- Vehicle speed and change of speed check measurement to ensure accurate weight results RS485 connection for external weight display
- LO-WEIGH 100 software with dedicated PC connection via Serial (RS232) connection
- Transient and lightning protection built in
- 0IML R60 Class III Approval
- Overheight Detection
- Smart card interface for automatic vehicle identification

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LOW-SPEED WEIGH-IN-MOTION & AXLE-BY-AXLE STATIC WEIGHING SYSTEM

TECHNICAL INFORMATION

ACCURACY (WIM & STATIC)

Gross Vehicle Weight	±1%
Individual Axle Weight	±2%
Group Axle Weight	±2%
Block Weight	±10kg
Speed	±5%
AVC Speed Range	1 - 16 kph

Note: Vehicle and axle weight accuracy is dependant upon site construction in accordance to TDC specifications.

CLASSIFICATION ACCURACY

Rigid HGV	>99%
Articulated HGV	>99%
Draw-Bar Trailers	>99%

ELECTRICAL CONNECTIONS

Power	DIN Rail
Earthing	Common Earth Bolt
Weighbeam	DIN Rail
RS232/RS485	DIN Rail

INTERNAL LIGHTNING & TRANSIENT PROTECTION

Amplifier	TDC AMPTP PCB

OPERATING TEMPERATURE RANGE

-20°C to +65°C

INPUT/OUTPUT PORTS

RS232	PC or Ticket Printer
RS485	External Weight Display

POWER

85-264VAC @ 47-440Hz

EXTERNALLY INSTALLED ITEMS

WB30 Weighbeam and External Weight Display.

DIMENSIONS & WEIGHT

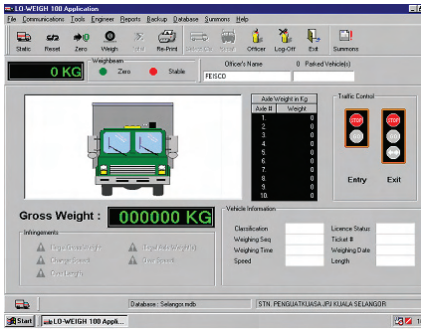
W - 200mm
D - 180mm
H - 300mm
7 kg

SHIPPING DIMENSIONS & WEIGHT

550 x 430 x 260mm (w d h) 9 kg

SOFTWARE

LO-WEIGH 100LT and EZY Compatible: Data Download, Analysis, Real Time VBV View, Report Generation & Diagnostics



Drakewell C2, C2 Web Reports

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