



DIGITAL WEIGHT INDICATORS

# LOAD LINE 2-WT

## TRUCK SCALE WEIGHING TERMINAL



- EC Type Approved 10.000 d
- 6 digits, 20 mm easily readable led display
- High speed and accuracy
- Hardware including colorful monitor, PS/2 keyboard and mouse
- High weighing capacity and safe memory
- Flexible reporting
- 2xRS232, RS422/485, 2xUSB, Printer and ethernet outputs
- X 10 display



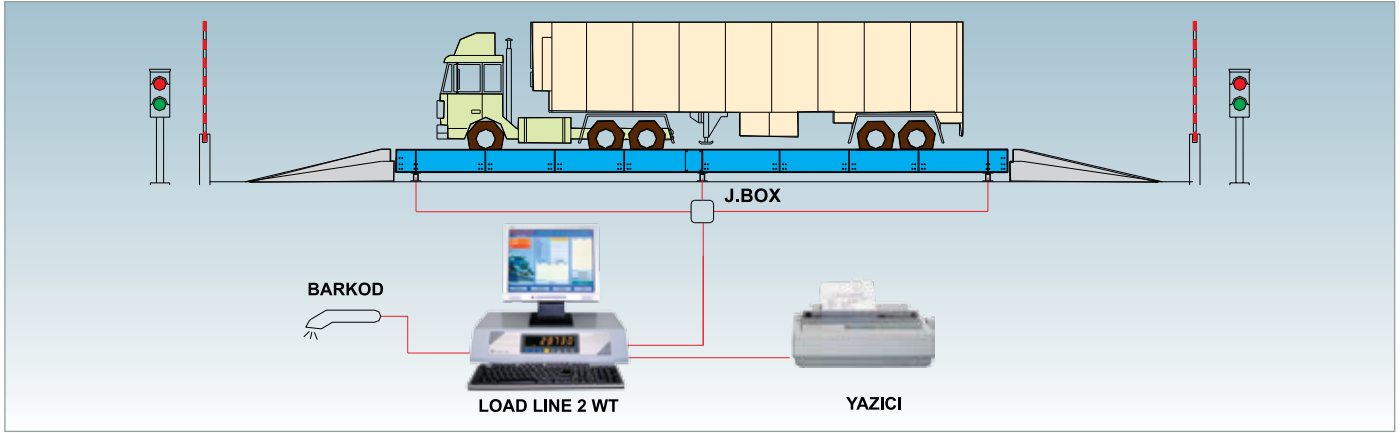
Load Line – 2 WT is the weighing terminal especially designed for electronic truck scales. It provides easy and fast weighing owing to its hardware composed of colorful monitor and computer keyboard and its easily understandable menu structure which guides the operator. It satisfies all of the requirements for the management of truck scales via Windows CE based WinScale software.

Its superior features include 6 different language options, single/multi range weighing opportunities, colorful monitor, PS/2 keyboard, mouse, high memory, remote display, printer, ethernet and RS232 serial output. There are 4+5 data fields which can be defined by the user. Alphabetical data can be entered to these fields or they can be selected from the tables during weighing process.

Daily, monthly or any two dates based detailed reports can be displayed on the screen or can be printed through printer. Barcode reader, traffic light, remote display, barrier connection and automatic filling from silo options are available via its standard and optional outputs.



# LOAD LINE 2-WT TRUCK SCALE WEIGHING TERMINAL



## GENERAL FEATURES

### Easy Usage

It provides easy and practical usage opportunity through its hardware including VGA monitor, computer keyboard and mouse and its visually understandable menu structure.

### High Speed and Accuracy

100 sps ADC conversion speed. Fast and accurate weighing owing to 24 bits ADC and 16,000,000 internal resolution.

### Weighing Range Selection

Single or multi range weighing opportunities.

### Anti-Vibration Filters

It protects weighing from environmental factors (vibration, noise) and harmful effects of hitting loads owing to its programmable digital and sudden load filter levels. It allows accurate and reliable weighing for the applications like dynamic weighing

### Self Calibration

Electronic calibration without requiring any load for industrial applications.

### Serial Communication

Standard RS232 C serial data output provides 300 - 38400 baud rate, 8 data bits, 1 start bit, 1 stop bit and none parity protocol serial communication.

Also with its standard RS 422/485 serial output, it allows Half-Full Duplex communication or optional MODBUS RTU communication over RS 232 / RS 422/485.

### Control Inputs / Outputs

Free programmable optional 4 I/O input-output card. Optoisolated 5 V DC (PNP logic) input, TTL, 1 A/24 V DC or 0.5 A / 125 V DC relay output option

### Analog Output

0-20 mA / 4-20 mA or 0-10 V analog output option allows communication for automation systems like PLC , and other devices.

### Alibi Memory

Optional alibi memory allows storing 105.000 records including weighing number, gross , tare and net weight information.

### High Reliability

Password protection against unauthorized usage. Safe static memory protected against power failures.

### High Weighing Record Capacity

Large vehicle record capacity owing to its high disc capacity.

### Programmable Data Fields

There are five data fields which can be defined easily by the user (for example waybill no, driver name, etc.) beside to operator, numberplate, firm name and material name fields.

### Large Query Tables

Generating tables for each of the ticket data fields (firm name, material, etc.) and opportunity to select these data from the tables during weighing process.

### Fixed Tare Record Memory

Single stage and fast weighing opportunity owing to table for the tares of the regular vehicles which are periodically weighed.

### Flexible Reporting

Daily, monthly or any two dates based detailed reports with respect to any data fields can be displayed on the screen or can be printed through printer.

### Printer Connection / Weighing Ticket

It can be connected to printed through standard RS-232 serial connection. Firm title, entrance-exit dates/times, ticket no, gross-tare-net weighing values and defined data fields can be printed on the ticket.

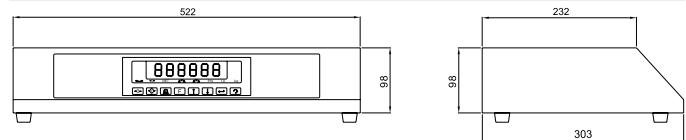
### Optional Additional Hardware Connections

LL2 WT weighing terminal enables operating two truck scales with single terminal owing to its second scale connection. Also, more than one truck scale can communicate each other through ethernet connection. Report files can be copied to mobile discs. Traffic light and barrier can be connected through its optional control inputs/outputs.

## TECHNICAL SPECIFICATIONS

Accuracy Class	III / IIII
Approved Division	10.000 d Single and Multi Interval
Certificates	90/384 EEC-EU, OIML R76, CE
Display	6 Digits, 20 mm. Led Display
Operating Display	VGA Monitor / PS/2 Keyboard and Mouse
Status Indicators	Stand still, Zero, Net, Weight Range, Pcs, Lb and Kg symbols
Key pad	Membran type, 8 functional Touch sense keys
A/D Converter / Speed	24 Bit Delta-Sigma - 10 ms. - 6.25-100 Hz.
Signal Range	0,1mV/V- 3mV/V
Input Voltage	0.83 µV/e
Internal Resolution / Division	1/16.000.000 Internal Conversions / Display up to 80.000
Linearity & Temp Co-efficient	% 0.0015 FS; ≤ 2 ppm / °C
Loadcell Excitation	5V DC
Loadcell Connection	Min. 1 unit 43,75 ohm, / Max. 8 units 350 ohm, 25 units 1100 ohm
Serial Communication	2 x RS 232/485, 1x RS 422/485, Ethernet
Printer Connection	Parallel 25 Pin Centronix
Power Supply	12 VDC / 62 W
Operation Temperature	-10°...+ 40°C / %85 RH
Protection Class	IP 54
Housing	Steel / Stainless Steel

	LL2 WT	LL2 WTS
Size - Weight	522x303x98 mm - 6.6 kg	522x303x98 mm - 7 kg
Size with package - Weight	550x350x300 mm - 7.8 kg	550x350x300 mm - 8,2 kg



## OPTIONS

Serial Communication	1 x RS232, 1 x RS422 / 485 (Half-Full Duplex), MODBUS RTU
Network Connection	Ethernet, TCP / IP
Wireless Communication	WLAN (802,11 b/g)
Analog Output	0-10 V / 0-20mA / 4-20 mA
Digital Input/Output	Optoisolated 4 inputs (5 VDC-PNP Logic-) / 4 TTL, 1 A/24 VDC or 0.5 A/125 VDC relay outputs
Additional Equipment	Modem, Barcode Reader, Traffic Lights, Barrier