

# SkidWeigh

ED2-300-GSM Series

Forklift On-board Freight Check Weighing

## Automatic Freight Weight Verification & Engine Idling Visual Warning with Web Based Reporting in Real-Time

The ED2-300-GSM Series SkidWeigh system is general application, heavy duty, fully automatic microprocessor electronic device that measures the load weight and will display visual warning to the operator when engine is idling above the allowed time. The system can be installed on any forklift regardless of the vehicle make, model or operating voltage with the maximum lifting capacity of up to 50,000 kg or lbs.

Every time a skid load is picked up the increase in hydraulic pressure on the vehicle lifting circuit will automatically activate the "weighing cycle at sample rate of 16000 readings per second" and convert it to a load weight measurement that is visually presented to the operator via a five digit large LED display.



**Step 1.** Pick up the skid and read the load weight shown on the indicator.

**Step 2.** Compare the indicated load weight against the reported load weight.

A. *If the load weight variance is within the acceptable company level, then the skid load*

*can move to the destination trailer, holding area, etc.*

B. *If the load weight variance is over the acceptable company level, then the skid load is moved to the "Legal for Trade" floor scale for final verification and creation of a scale ticket.*

### Web Based Reports

New tools allow material handling managers to track lift truck activity/ operator accountability in real time from anywhere where browser service is available.

- Forklift ignition time On
- Forklift ignition time Off
- Forklift run time
- Forklift engine idling event
- Pre-Shift Inspection event (Optional)
- Vehicle impact events (ED2-500-GSM)
- Vehicle overload event (Ed2-SM-GSM)
- Vehicle under utilization (ED2-400-GSM)

### Benefits and ROI Analysis \*



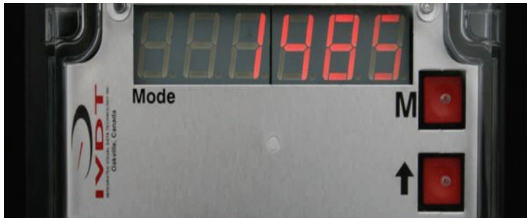
Obviously the more forklifts equipped with on-board check weighing, the greater the potential return. If it takes ten forklifts to handle your cross dock volume and you have only one vehicle equipped with a SkidWeigh system you will be missing out on 90% of your potential freight weight recovery revenues.

See the article from National Freight Traffic Association "Weighing and Research Programs for Trucking Companies" at [www.skidweigh.com](http://www.skidweigh.com)



## Installation

The **ED2-300-GSM Series SkidWeigh** system can be easily installed and calibrated by a local lift truck dealer technician or the end user's lift truck mechanic.



*The installed system is calibrated automatically by lifting known load weight on the forks*



## Technical Data

### Electrical

- Voltage 12 to 55 V DC
- Current: Operating 30 mA

### Environmental

- Operating temperature  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Water, dust and corrosion resistant, 4X protection

### Physical

- 120 x 80 x 55 mm, polycarbonate enclosure

### Technology

- Micro Controller

### Pressure Transducer

- Port connection, male thread 1/4"-18 NPT
- Proof pressure, 2.5 x range or 6,000 PSI

- Built-in pressure snubber
- Environmental: NEMA 4X
- Reverse polarity protection
- Over voltage protection
- Short circuit protection
- Housing material, Stainless steel, (AISI 303)
- Weight 95 grams
- Installation, unrestricted

### System Check Weighing Accuracy

+/- .5% to 1% of lift truck lifting capacity

### Mounting Bracket

- Adjustable mounting bracket included

### LED Display Indicator

- Readout type, large six LED digits
- Readout range 50,000 kg or pounds
- Bright red display intensity
- Operating humidity range, 0-95% R.H

### Wireless Module— Dual Band (GSM2354)



**Your Local Forklift Dealer**