

# K-Weigh Elevator Load Weighing

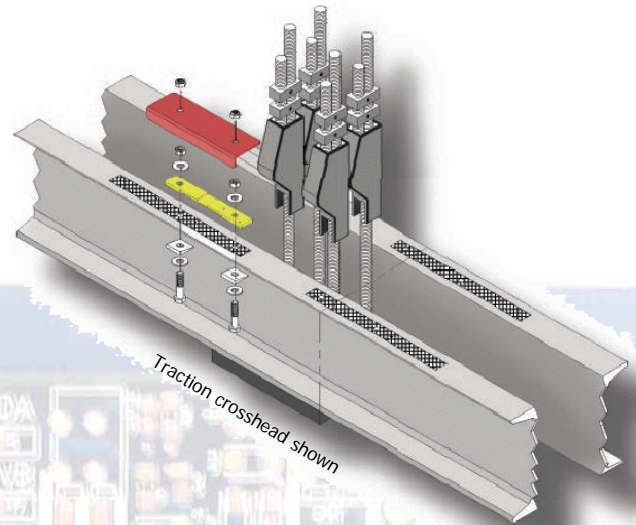
Now with **DIGITAL CALIBRATION!**

K-Tech enhances its time-tested load weighing system by introducing the latest generation—**K-Weigh 5200 Series**.

With close to 30 years experience and tens-of-thousands of units in the field, K-Tech continues to rely on the proven accuracy and stability of strain gauge technology.

Mounted to a structural cross-member, the universal sensor design can be used to measure the smallest change in weight on isolated and non-isolated traction elevators, MRL's and many hydraulic cars.

The new smaller and lighter electronics package features easy to use digital calibration and field adjustable output signals. Every K-Weigh 5200 is switchable to reflect either "hanging" or "in-car" load weight making configuration selection a breeze. Choose the output signal(s) and select either a 1 or 2 sensor system...it's that easy.

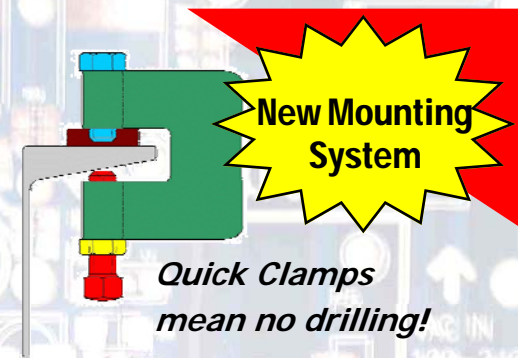


Simplified wiring and pushbutton set-up make installation quick and easy even for first time installers...no special training required.

No matter what conditions you encounter, the auto-zeroing feature keeps the unit functioning within specifications, providing virtually maintenance free operation.

## Features

- Digital read-out for adjustments and monitoring
- Pushbutton set-up in as little as 5 minutes
- Sensor(s) calibrated using just 25% of full load
- Adjustment of set points without weights
- Auto-zeroing for maintenance free operation
- Field selectable to reflect "hanging" or "in-car" weight
- Outputs configurable for most controllers:
  - Field Adjustable Analog and Set Point Systems
  - Custom outputs available built to customer specs including 4—20 mA and CanBus



## Applications

- Overload
- Hall call bypass
- Anti-Nuisance
- Motor pre-torque
- Lobby dispatch
- Heavy load dispatch

## Benefits

- Energy savings
- Optimize traffic flow
- Minimize wear and tear
- Improve ride quality
- Increase safety
- Reduce maintenance

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## Adjustment

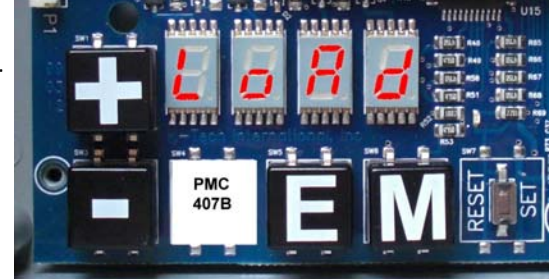
The K-Weigh 5200 Series adjusts with a push of a button.

Once installed, press a button to zero the unit. You are given time to step off the car for greater accuracy.

Bring in a known weight and lock this value in with another press of a button.

Now set your min and max voltage range and you are done.

Leave the unit in display mode and you can monitor the weight in real time.



## Standard Configurations

Single/Dual Sensor, Analog 0-5V or 0-10V  
Single/Dual Sensor, Set-point (4 standard)

All configurations are field switchable to reflect either "hanging" weight or "in-car" weight.

## Custom Configurations

Build to spec units available, including: 1 to 4 set points, 4-20mA, CanBus, other...CALL!

## Specifications

**Enclosure:** UL listed ABS NEMA 1 (standard)  
8.75" X 4.625" X2.25" D  
(222mm X 118mm X 57 mm)

**Sensor:** Bar: 1" H X 7" W X 0.25" D  
(26mm X 178mm X 6.4MM)  
Cable: 8 foot (2.4m)

**Shipping Weight:** 3.5 lbs (1.59 Kg) One Sensor System  
5.0 lbs (2.27 Kg) Two Sensor System

**Power Input:** 100 to 240 VAC, 47-63 Hz; 0.15A  
@ 115 VAC; 0.07A @ 240 VAC  
Optional DC voltages—call.

**Outputs:** 0-5 or 0-10 VDC (Analog)  
NO/NC dry contacts (Set-Point system)  
Call for other output options.

**Zero Reset:**  
**Input:** 100-240 VAC ground (pull-down)

**In-Car Load Weight Signal**  
**Input:** NC to ground signal with elevator door closed (NO with door open)

**Set-Point Module**  
**Adjustments:** 0 to 100% of maximum load  
**Output:** Independent DPDT NO/NC Contacts  
Rated: Switching current: 5A  
Contact rating: 62.5VA  
(standard 4 outputs)

**Approvals:** ETL (UL & CSA) Safety  
Conforms to ASME Std A17.5  
Certified to CAN/CSA std B44.1

Specifications subject to change without prior notice.

## Accessories

Load Limit Indicators and Alarm Bells

***Controller manufacturer specific, OEM, and custom models available.***

Some features and specs are based on ideal elevator conditions. Your installation may vary. Call K-Tech for details.