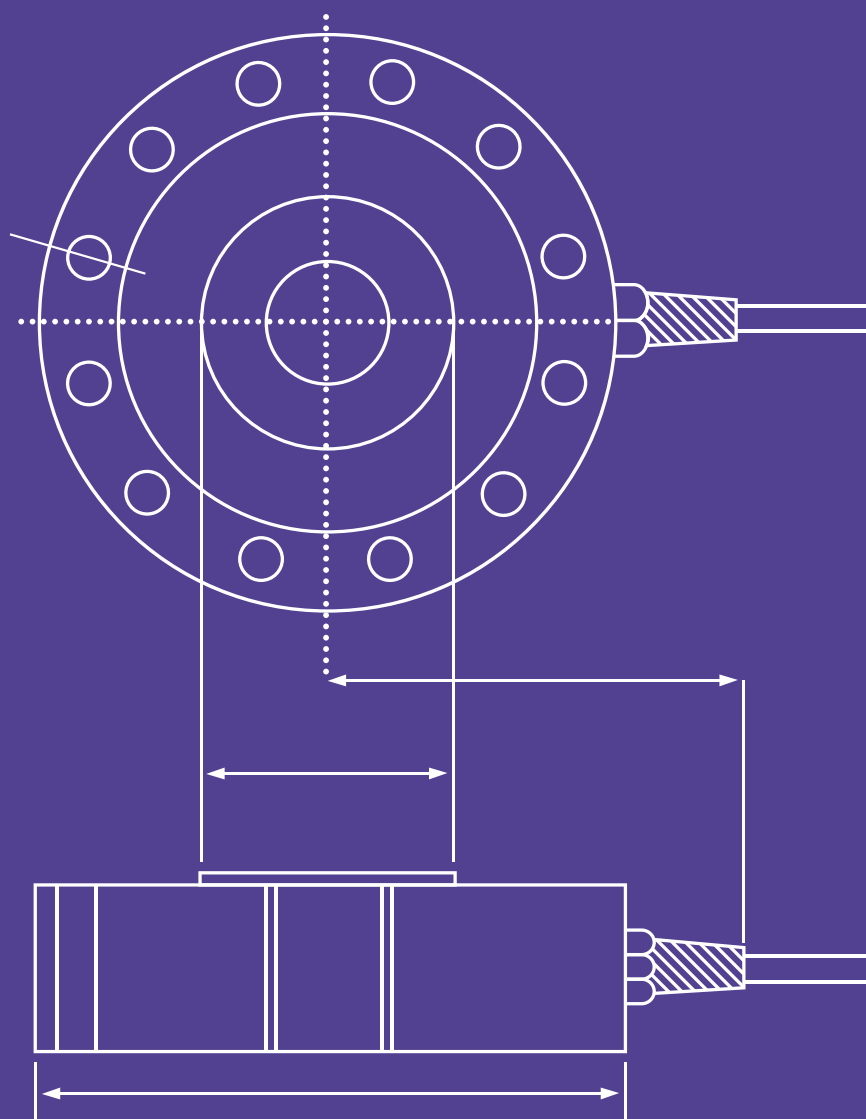


# LOAD CELLS



# ABOUT ADM

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**FOR OVER 35 YEARS ADM INSTRUMENT ENGINEERING HAS BUILT A SOLID REPUTATION ACROSS AUSTRALIA AS A RELIABLE SUPPLIER OF PROCESS CONTROL, RECORDING AND AUTOMATION SOLUTIONS, INCLUDING LOAD CELLS AND INDUSTRIAL TRANSDUCERS.**

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ADM's primary objective is always customer service, and after three decades of working closely with our suppliers, we know that we achieve this by carrying stock locally, providing application specific advice and offering complete solutions.

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**If you are visiting our Head Office in Dingley Village, you are likely to receive a very warm welcome from our company dogs.**



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Glenn Bates, Founder and Managing Director

# LOAD CELL BRANDS



LAUMAS MANUFACTURES RELIABLE PRECISION WEIGHING EQUIPMENT, WEIGHT TRANSMITTERS, AND INDICATORS. LAUMAS' WEIGHING EQUIPMENT HAS BEEN CERTIFIED AND IS COMPLIANT WITH MANY RELEVANT INDUSTRY STANDARDS.



THIS KOREAN MANUFACTURER IS BECOMING VERY POPULAR IN AUSTRALIA BECAUSE OF THEIR WIDE SELECTION OF QUALITY LOAD CELLS AND GENERAL WEIGHING SOLUTIONS, WHICH ARE VERY COST-EFFECTIVE.



BURSTER IS A GERMAN MANUFACTURER SPECIALISING IN THE DEVELOPMENT AND MANUFACTURING OF MINIATURE AND PRECISION PRODUCTS.



RICE LAKE WEIGHING SYSTEMS IS A FAMILY-OWNED, ISO 9001 CERTIFIED CORPORATION, AND HAS BEEN MANUFACTURING AND DISTRIBUTING WEIGHT RELATED PRODUCTS AND SUPPLIES SINCE 1946. THEY OFFER A RANGE OF HIGHLY SPECIALISED WEIGHING SOLUTIONS FOR MANY INDUSTRIES SUCH AS AVIATION, MEDICAL, FOOD AND BEVERAGE, AND ENERGY PRODUCTION.



NEW ZEALAND BASED MANUFACTURER, WITH STRONG FOCUS ON LOAD CELLS FOR HEAVY LOADS, AS WELL AS INNOVATIVE MOUNTING SOLUTIONS.



Authorized  
Solutions Provider

**Eurotherm**

ADM IS AN AUTHORISED SOLUTION PROVIDER FOR EUROTHERM. OUR LOCAL STOCKS INCLUDE SIGNAL CONDITIONERS AND PANEL MOUNT DISPLAY CONTROLLERS, AS WELL AS DATALOGGERS.




Revere  
Transducers



— PLUS —  
MANY OTHER  
BRANDS AVAILABLE

THESE THREE BRANDS NOW FORM PART OF THE VISHAY PRECISION GROUP OF TRANSDUCERS. ADM HAS ACCESS TO THESE BRANDS AND WE WILL OFFER THEM WHEN THEY PRESENT THE BEST FIT SOLUTION TO YOUR WEIGHING APPLICATION.

# LOAD CELLS

## SINGLE POINT

### CBCA



- 5kg to 100 kg
- Low Cost
- Anodized Aluminum

### CBCL



- 300g to 200kg
- Low Cost
- Anodized Aluminum (SS Option)

## BENDING BEAM

### CHBS



- 10kg to 500kg
- Low Profile
- Stainless Steel IP68

### PT8000



- 5kg to 500kg
- Wide Capacity Range
- Stainless Steel IP68

## SHEAR BEAM

### CBS/CBSA/CBSB



- 150kg to 10T
- Low Profile
- Nickel Plated Steel

### CBSM



- 100kg to 1T
- Slim Style, Low Cost
- Nickel Plated (SS Option)

### CBSS



- 250kg to 2T
- Stainless Steel IP67

### CBSU



- 500g to 2T
- Integral Mounting
- Nickel Plated Steel

## S-TYPE

### LS300



- 500kg to 5T
- Stainless Steel

### CSB



- 20kg to 500kg
- Aluminium / Nickel Plated Steel

### CSBA



- 10kg to 5T
- Tension or compression
- Suitable for hanging scales
- Aluminium / Nickel Plated Steel

### RL20000



- 11kg to 9T
- Alloy Steel

# LOAD CELLS

## CANISTER

### PT7000



- 100kg to 50T
- Compression
- Stainless Steel IP68

## CLS/CLS-H/SLS



- 1T to 1200T
- Option: St. Explosion proof

## CHC



- 20T to 800T
- Robust design

## SPECIAL LOAD CELLS

### HYGIENIC FOOT LOAD CELLS



- Mount under the legs of food equipment,
- Range: 1000kg
- Output: 2.0 mV/V  $\pm 0.1\%$
- Material: Stainless IP69K
- Certification: 3A

### ANCHOR LOAD CELLS



- For Structural Tensile or Compression loads
- Retaining wall, deep excavations, suspension cables
- Ranges 30T to 250T
- IECEx certified for hazardous areas

### MOUNTING KITS



- Silos
- Tanks
- Hoppers
- Mixing machines

# LOAD CELL APPLICATION: MEASURING LOADS ON BRIDGE SUPPORT JACKS

The rehabilitation and structural repair of bridges often requires the bridge to be jacked and supported. This provides load transfer and bridge support whilst the work is being undertaken.

Of course, it goes without saying that both the safety of the traffic, which continues to use the bridge, and the personnel working on the bridge is of utmost importance.

Therefore, it is important to ensure that all jacks and jacking supports are straight, plumb, and have the capacity to support the section of the bridge which has been lifted.

ADM Instrument Engineering has recently helped a bridge maintenance, rehabilitation and construction company ensure that they can gather correct and accurate data for their engineering work, which requires bridges to be supported whilst undergoing maintenance.

Compression type load cells are used to monitor the force bearing down through the bridge support jacks, namely the CLS series from Curiotec. This type of load cell is sometimes referred to as a pancake load cell.

The Curiotec CLS load cells have an IP67 ingress protection rating, and a durable painted steel finish. This makes them perfect for use in harsh environment applications, such as bridge support jack monitoring.

But it's not just the load cells that ADM supplied. Our full range of load cell displays and transmitters, and power supplies enabled us to provide a complete solution.

The complete solution comprised of:

- Curiotec CLS-200T Load Cell



- Laumas LCB and CL Load Cell



- Define Instruments Zen data logger



- MEAN WELL HLG-60H-24 power supply



This solution is a great synergy of all of the components put together.

The Curiotec CLS-200T load cell needs an excitation voltage, which is provided by the Laumas LCB signal conditioner. At the same time this conditioner will convert the output signal from the load cell to the "standard" type of industrial signal of 4-20 mA, which is fed in to the Zen data logger for data storage and evaluation.

The beauty of the Zen data logger is that it is very quick and simple to set up.

The whole system is powered by a MEAN WELL HLG-60H-24 power supply. This power supply is fan-less and also has an IP67 ingress protection rating, which ensures high reliability. In fact, the MEAN WELL HLG series power supplies are backed by a 7-year warranty.

**If you are looking for a complete turnkey load cell solution from one supplier, then contact ADM Instrument Engineering on 1300 236 467.**

**Our team of experts is on hand to answer any questions you may have and put together the best solution for your project.**



# LOAD CELLS

## MINIATURE

### CSMN/ CSMN-MT



- 1kg to 2T
- Compression
- Anodised Aluminium & Stainless Steel

### CLMN



- 1kg to 100kg
- Sub-Miniature (20mm)
- Aluminium or Stainless Steel IP67

### CMNC



- 50kg to 20T
- Compression
- Stainless Steel

## SPECIAL PURPOSE

### TANK & HOPPER WEIGHING LOAD BARS



- Up to 50,000kgs
- 3 or 4 point combined outputs
- Stainless steel IP68
- Various anchoring options



- Livestock scale systems
- Output 2.5mV/V
- 0.2kgs to 5,000kgs
- Various lengths available

### SHACKLE LOAD CELLS



- Pin and Shackle setup
- 6,500kgs to 55,000kgs
- IP67 Stainless steel load cell
- Galvanised high load shackle

### TORQUE TRANSDUCERS

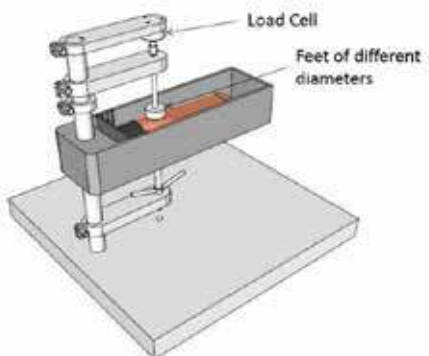


- 0.005nM to 5,000nM
- High linearity 0.1%
- High resolution
- Rotary and non-rotating types

# APPLICATION EXAMPLE – TUBE CRUSH TESTING

ADM Instrument Engineering is asked to provide solutions to a vast array of different test and measurement applications.

A recent example is when we were asked to provide a solution to test the effect that prolonged squeezing would have on the seal at the end of a tube of hand cream.



The customer wanted to exert a known force on the tube for 30 hours and see if the seal held. ADM designed a test rig, which incorporated a Curiosity Technology CSMN-MT load cell and a Eurotherm 32h8i/SG indicator.

Feet of differing diameter can be inserted in the jig to apply different deformations of the tube to determine whether a particular method of squeezing was more prevalent to cause failure. The amount force can be adjusted by means of a long handled wing nut to apply force quickly as well as maintain a set amount of force for extended periods of time.

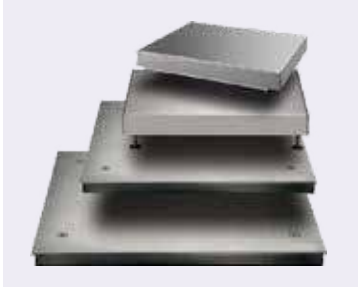
The load cell measures the force being applied to the tube and provides a readout on the Eurotherm indicator. This can enable the customer to record the force being applied to the tube and determine what the effects are on the tube, with force being applied as an impulse or over several hours or days.

**If you have a specific test or measurement requirement call ADM Instrument Engineering on 1300 236 467.**

# LOAD CELLS

## SCALES

### MOUNTING & BENCH



- Up to 600kgs
- Washdown versions
- Displays and poles available
- All applications

### MEDICAL SCALES



- Seat scales
- Wireless pad scales for beds & wheelchairs
- Baby weighers

### CRANE SCALES



- Up to 250,000kgs
- IP66 marine grade housing
- Easy to read display
- 200% safe overload

### BELT SCALES



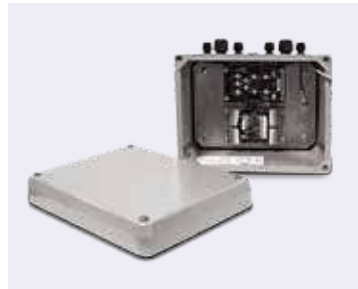
- For data analysis or dosing
- Measure up to 10,000 tons/hr
- Analogue outputs optional
- Alarm outputs

## SIGNAL CONDITIONERS AND SUMMING BOXES



#### Transmitters

- Inputs: 1, 4 or 8 load cells
- Outputs: 4-20mA, CanOpen, Ethernet IP, Profinet
- NMI Trade Approval for AU



- Junction Boxes
- Equalizers
- Summing



- Field mount transmitters
- Weatherproof
- Corrosion resistant



- IECEx barriers
- Isolation of load cells
- 4 or 6 wire connection



### DID YOU KNOW?

## ADM CAN SUPPLY MANY LOAD CELL OPTIONS AND ACCESSORIES

From load attachments, pivots and connections to alternative materials, accuracies and terminations. If you have a special requirement, let us know.

Load cells always have a safe overload rating. To ensure your measured results are accurate, it's important to know the maximum allowable load and not exceed it. Overload damage to a load cell is irreversible and difficult to detect.



# LOAD CELL DISPLAYS

## DISPLAYS



Available with NMI approvals

- Indicator/transmitter/controllers



- Datalogging display



- Remote mount displays



- DIN Mount display controller/re-transmitters
- Stainless steel models available



- Explosion proof display enclosure



- Large 200mm digit displays
- High contrast, sunlight readable

## PORTABLE INSTRUMENTS



- Handheld display
- Connection of any 4 wire loadcell



- Handheld load display with wireless transmission



- Lutron Torque Meter
- 15kg-cm

# APPLICATION EXAMPLE: MINIATURE LOAD CELLS

## HOW LOAD CELLS ENSURE THE PERFECT CUP OF COFFEE

One of the key factors that determines a good cup of espresso is how well the coffee grounds have been tamped.

Tamping is the compacting of the ground coffee in the porta filter prior to brewing. How the barista tamps will determine the quality of the espresso. The coffee needs to be compacted firmly and uniformly, allowing the water to flow through and extract the best of the flavours.

Tamping is an acquired skill and it is very difficult to tamp the coffee with exactly the same force each time. Coffee making is becoming more like a science: customers are demanding consistency, expecting delicious espresso every time, and voting with their feet if the barista doesn't meet expectation.

Fortunately, technology has come to the rescue in the way of new electronic intelligent coffee tampers.

This revolutionary new tamper allows the barista to set the pressure used to tamp the coffee. The flavour of the coffee will vary depending on which pressure has been selected.

Electronic coffee tampers controls the tamp pressure via a touch screen that is being applied by monitoring the current that is drawn by the motor. To ensure accuracy is maintained, a Curiotec CSMN miniature load cell is used to check the actual pressure applied to the coffee.

Electronic coffee tampers ensure that exactly the same pressure is applied each time, allowing the barista to maintain a consistent flavour across many cups of coffee brewed, with the help of Curiotec products.

This is just one of a wide variety of force measurement solutions that ADM has been able to offer.

**If you would like help in finding a solution to a force measurement problem, then call ADM on 1300 236 467. A member of our expert team will gladly answer any questions you may have.**

**Use the address below if you would prefer to send us an email: [sales@admtech.com.au](mailto:sales@admtech.com.au)**



## LOAD CELL CABLES



- Load cell specific cables, 4 or 6 core,
- Roll lengths of 10 or 100m
- PUR jacketed screened



**DID YOU KNOW?**  
**COMBINING OUR EXPERIENCE WITH AN EXTENSIVE PRODUCT RANGE, WE CAN BUILD CUSTOMISED 'PLUG & PLAY' TEST AND MEASUREMENT SYSTEMS.**

The complexity is dictated by your needs, from a simple sensor and display setup to logging and downloading data from numerous devices.

Whatever your needs, call and discuss them with our Technical Support team.

# LUTRON HANDHELD FORCE GAUGES

## FG-5020



- Handheld display, for tension & compression measurement up to 20kg

## FG-5100



- Force gauge with 100kg with eye-hooks

## FG-5005



- Handheld display, for tension & compression measurement up to 5kg

## FG TEST STAND



- Force Gauge Test Stand
- Laboratory Test Apparatus

## CAN I TRUST A LUTRON TEST & MEASUREMENT INSTRUMENT?

### THE SIMPLE ANSWER TO THIS QUESTION IS YES.

ADM specialises in offering accurate and reliable test and measurement equipment at very affordable prices. You will see that Lutron is a Taiwanese brand that we consistently feature across all our product ranges and there is a very good reason for this.

### COMPANY HISTORY

Lutron Electronic Enterprise Co., Ltd. was established in 1976 and has been manufacturing Test & Measurement Instruments in Taiwan for more than 40 years. Lutron employs about 120 staff, and their factory building covers an area of approximately 6,410 square metres.

Exporting to over 80 countries around the world, Lutron has established a global reputation for producing highly accurate and reliable test & measurement instrumentation at a low cost. Lutron is an ISO9001 certified manufacturer and takes pride in its R&D capability. Lutron also holds patents on various innovations and technologies, which the company has developed.

### WHY ARE LUTRON PRODUCTS SO AFFORDABLE?

It's no fluke that Lutron's test and measurement instruments are much more affordable than other well-known brands. First, most Lutron designs, test and measurement devices will only have the functions that you need. For example, we had a customer who was using a \$10,000 device for carrying out voltage and current calibrations on industrial equipment. The device he was using was highly specified and had a whole host of functions built in that the customer never used. The customer was always afraid of dropping this device and breaking it. So, he thought he would try the Lutron CC-421 calibrator and hasn't looked back since. He loves it! It cost him less than \$200 and can do all the calibration tasks he needs. What's more, because it only has the functions he needs he is not spending so much time scrolling through multiple menus to select the required function. He now just flicks a switch on the device and starts. Of course, if he does accidentally damage the unit he knows a replacement is not going to make a dent in his budget. He can now relax when he is out on site, knowing he is not likely to write off a \$10,000 device at any moment. Secondly, Lutron has invested heavily in the latest automated production methods and selects the latest electronic components available. This keeps the number of components in the instrument to a minimum and keeps production costs low, yet you still enjoy a high level of accuracy and reliability. The savings are passed on to you as the consumer.

Of course, the only real test is trying it for yourself.



# APPLICATION EXAMPLE: HANDHELD FORCE GAUGES

In Australia, regulations exist which stipulate the maximum force required to open a door. This is particularly important for improving accessibility for wheel chair users, older persons and anyone with an injury.

When the standard was drafted in 2009 it stated the maximum forces required to open as below:

For doors other than fire doors and smoke doors where a door closer is fitted, the force required to operate the door shall not exceed the following:

- (i) To initially open the door.....20 N.
- (ii) To swing the door.....20 N.
- (iii) To hold the door open between 60° & 90°...20 N.



**The Lutron FG-5020 force gauge is used in Australia to test the force required to open a door.**

The FG-5020 has a measuring range of up to 10 N, which is ideal for this application, as ideally you wouldn't want the door to require the maximum force to open it. It also has a 15 N overload capacity, so it will give readings of up to 30 N, so it will give readings to show if a door requires more force than is permissible to open it.

The peak hold function freezes the highest reading on the display until you are ready to move on. The LCD display also has a 'reverse' view function, so it can be easily read regardless of which way round the device is being held or used. Data logging software and a USB cable are available as optional extras, to give you this additional functionality if required. Lutron Electronic Enterprise Co., Ltd. was established in 1976 and has been manufacturing Test & Measurement Instruments for more than 40 years and they are remarkably affordable.

This is because most Lutron test and measurement devices will only have the functions that you need. Other devices will very like have many features that you may never use, but you still pay for.



# WHY YOU SHOULD USE A DEDICATED LOAD CELL CABLE

**Load cell signals between a load cell transmitter and a display, or controller, should not be conducted with an ordinary instrument cable. Instead, it should be conducted with a dedicated load cell cable.**

The reason is that the resistance of the wire needs to be as low as possible.

When force or tension is applied to a load cell, there is a very slight change in the resistance of the load cell's bridge circuit. The load cell transmitter converts the output from the load cell to an extremely low number of milli-volts for every 1 volt of excitation voltage (mV/V).

Therefore, it is imperative that the resistance of the cable has a minimal influence.

As these very small changes in milli volts are transmitted, they are susceptible to external voltage influences, which would also compromise the accuracy of the values being received.

Hence, it is important that the correct screening is used on the cable.

Load cell cables have copper braid and/or foil with the correct amount of coverage and protection.

There are two standards of load cell cables, 4 core or 6 core. Most load cells come fitted with a 4-core cables, 6 core is usually supplied on request.

6 core load cell cables are used for longer distances, as the 2 additional wires allow for the compensation of the extra resistance, thereby limiting volt drop in longer lengths of cable.

The suggested maximum run of 4 core is around 10-15 metres. After that it is necessary to extend further with 6 core cables.

It should be noted that the actual maximum run of cable you can install before you experience any voltage drop is dependent on the load cell resistance, the excitation voltage, and the cable resistance per meter.

# LAUMAS TLB4 SERIES WEIGHT TRANSMITTERS A COMPREHENSIVE SOLUTION FOR LOAD CELL SIGNAL PROCESSING

**The Laumas TLB4 series weight transmitters are a versatile and comprehensive solution for load cell signal processing. Designed to be compact and space-saving, these transmitters incorporate multiple functions, including a load cell transmitter, summing box, equalizer, controller, and indicator.**

## KEY FEATURES

The TLB4 series boasts a six-digit red LED display with an 8mm height. The compact design measures 26 x 115 x 120 mm, making it a space-saving solution for various applications. System calibration is facilitated by four buttons, and the status is indicated by six LEDs.

One of the standout features of the TLB4 series is its four independent load cell input channels. This allows for individual load cell monitoring, total weight displaying, and digital equalization. The 16-bit analogue output options include 0/4-20 mA, 0-5/10 V, and  $\pm 5/10$  V. No external summing or equalising junction box is required.

The TLB4 series is also available with an RS485 port (Modbus RTU/Laumas ASCII protocol), two logic inputs, and three relay outputs.

This transmitter is also certified by the National Measurement Institute (NMI) of Australia. This certification means that in Australia, the transmitter can be used in situations where weight information is necessary for determining the amount to charge a customer.

## APPLICATION EXAMPLE

The TLB4 series is designed to be a comprehensive solution for load cell signal processing, making it suitable for a wide range of applications. For instance, the TLB4 can be used to monitor the weight of materials on a conveyor belt.

In this scenario, four load cells could be installed under the conveyor belt, each connected to one of the TLB4's independent reading channels. This would allow for individual monitoring of each load cell, providing a detailed overview of the weight distribution across the conveyor belt.

The digital equalization feature of the TLB4 would ensure that the response of the linked load cells is equalized in a fast and reliable way over time, avoiding the use of junction boxes.

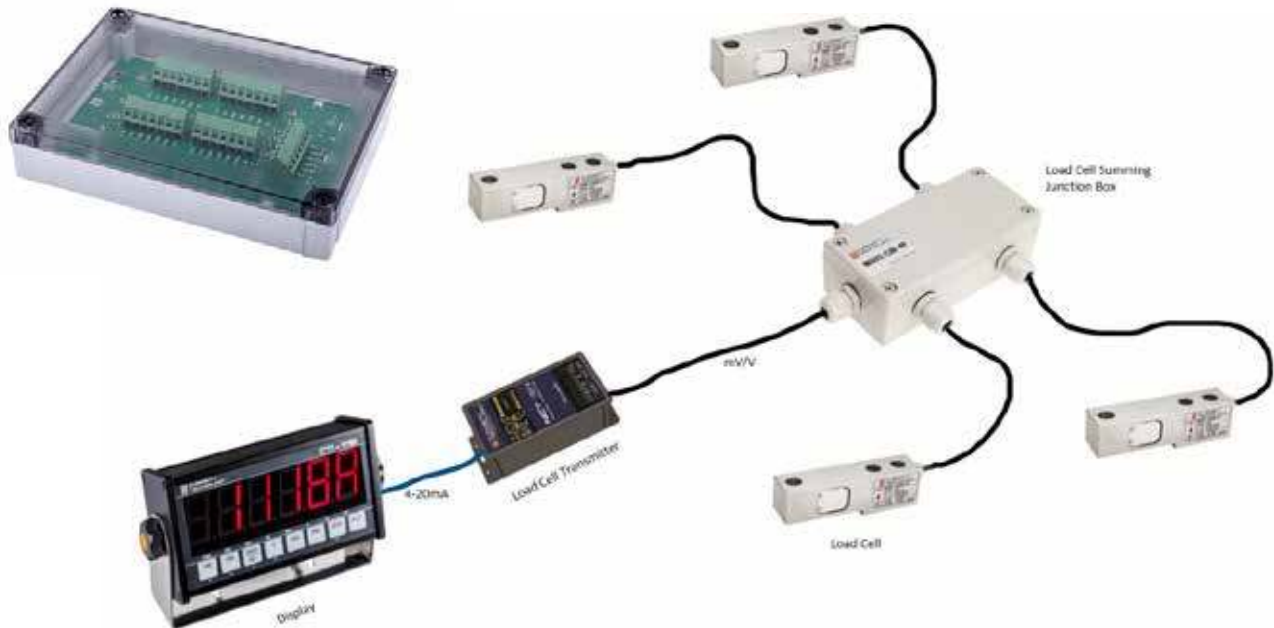
This would result in more accurate weight readings and improved efficiency in the manufacturing process.

Moreover, the TLB4's powerful converter ensures an in-depth diagnostics of load cells' signals remotely, allowing a constant monitoring of the distribution of loads and any abnormalities of the linked cells. This feature would be particularly useful in identifying any issues with the load cells or the weight distribution on the conveyor belt, enabling quick resolution of any problems and minimising downtime.

In conclusion, the Laumas TLB4 series weight transmitters offer a versatile and comprehensive solution for load cell signal processing. With their advanced features and capabilities, they are well-suited to a wide range of applications, providing accurate and reliable weight readings and diagnostics.



# SUMMING OR AVERAGING LOAD CELL SIGNALS



**It is common for multiple load cells to be used to measure the weight of an item.**

For example, a tank, silo, or platform with 4 legs with a load cell under each leg. Or a weighing platform may consist of a square plate with load cells positioned under each corner.

The output values of the 4 load cells need to be averaged in the field, and a single representative load cell signal output to be sent to the display or signal transmitter.

This is achieved with a load cell summing junction box, sometimes called a junction box.

However, it is much more than just an empty junction box for you to join load cell wires, so that you do not have to run 4 sets of cables to the control cabinet or display. It incorporates the electronics required to average or sum the outputs from your load cell into a single representative output.

Inside the junction summing box you will see the relevant screw terminals labeled on a PC board. There is an adjustment potentiometer for each connected load cell. The potentiometer enables you to adjust the sensitivity of the 4 load cells to be equal, so that under an identical load they give the same output, resulting in a more accurate reading than you otherwise would have.

In addition to combining load cell signals, the junction box also serves to distribute the required excitation voltage to each of the load cells.

Load cell junction boxes are also available with 6 and 8 channels to support a system with a higher number of load cells.

Since load cell junction boxes are field mountable, it is possible to have an explosion proof enclosure for use in hazardous areas. They can also provide a moisture ingress protection level of IP67.

## SET UP PROCEDURE AND ADJUSTMENT OF A LOAD CELL SUMMING JUNCTION BOX

Let us take a flat platform with a load cell under each corner as an example.

1. Turn all potentiometers anti-clockwise at least ten turns until all are at the end stop (they click when rotating past the end point)
2. Connect all load cells. Apply an excitation voltage. Mount a test weight on top of a load cell or place the weight in the corner of the platform and then record the output reading. You can record either the output in millivolts on your multi-meter, or whatever the amplifier/readout meter is indicating, such as kilograms, etc.
3. Repeat this procedure for each load cell or corner. It does not matter if the output values are not calibrated at this stage; it is important to record the output value from each load cell and not to alter any potentiometers.
4. Pick the lowest reading of the 4 load cells and leave its potentiometer alone. It is recommended that you seal this potentiometer with some locking glue. Now position the test weight on another load cell and adjust the potentiometer associated with that load cell in a clockwise direction, until the output reading is the same as the output recorded from the load cell with the lowest reading.
5. Repeat step 4 on the remaining 2 load cells or corners, ensuring that when the test weight is applied to each load cell its potentiometer is adjusted until the output from the junction box is the same as the outputs from the load cells mentioned in step 4. Seal all the potentiometers with locking glue. Now all the load cells have been normalised to give an

equal contribution to the total output reading of weight. On a platform scale you should be able to place the test weight in the centre and still get the same output value.

6. Now you have all 4 load cells installed in the system. Remove all weights and set the zero points on your indicator or amplifier. Using test weights, you can begin calibrating the system. Set the amplifier or indicator output to read the correct weight of the test weight. It should indicate the value of the test weight only and not the weight of the system's tank, hopper, etc... Recheck the zero and loaded weight, repeating with different weights up to the maximum weight of the system's design. Next, remove all test weights. With the system unloaded adjust the tare of the amplifier or display to give a zero output. Add the test weights and confirm correct readings one last time.

## USING LOAD CELLS WITH 6 CORE CABLES

6 core cables are used instead of 4 core cables to compensate for voltage drop caused by longer cable runs. In this case the additional 2 cores share the S+ and S- sensor terminals, so there is no special junction box required for these load cell cables.

Remember to use proper load cell cables, as these are an integral part of the load cell circuit and can affect the accuracy and reliability of readings.



# WHY ADM? IT'S ABOUT YOU

## HOW WE CAN HELP YOU?

The ADM Systems group of companies stocks products such as LED drivers, power supplies and thyristors, UPS power supplies, sensors and transducers, encoders, process controllers, test & measurement equipment, and radiation detection systems and nuclear technologies, which are used by many different industries right across Australia.

We carry stock, so you don't have to. Plus, in most cases we can ship your order on the very day we receive it. We get that lead times are an inconvenience that you would rather not manage.

But we are not interested in just getting a sale from you. We want to ensure that you are buying the most appropriate products and we will support you right from the time you are researching suitable solutions, to providing advice on installation, and being on hand should anything appear to go wrong at a later date.

For some products we also play an active role in the installation and commissioning of systems, and offer maintenance contracts for peace of mind.

## THE SIZE OF YOUR BUSINESS DOESN'T MATTER

ADM offers a high level of customer service, whether you are a large-scale manufacturer of finished equipment, or an end user needing to replace an item.

If you are a manufacturer you may be interested in learning how we can help keep your inventory costs to a minimum, while stock is readily available when you need it. We accept scheduled orders so that you can benefit from volume pricing, without putting undue stress on your cash flow.

We can also help your business by keeping items that you regularly buy in the ADM warehouse that is closest to you. This can be very handy if you have an unforeseen need, and would like to pick up your order on the same day.

End users and sole traders find our specialist online stores very convenient. You can place orders outside of business hours and we will dispatch the goods on the next business day. We only list stocked items on our online stores, and we will call you if we have an unexpected stock outage, in most cases we can offer a suitable alternative, so you don't have to wait.

## EXPERT TEAMS YOU CAN RELY ON

Regardless of where you are in Australia, we offer a wide range of services, delivered by ADM's highly dedicated and professional technical teams.

Our services include:

- Expertise and technical support across all of our product range.
- Calibration of transducers, sensor and other equipment.
- Service and repair down to component level.
- Rental/loan of handheld test & measurement equipment.

We have dedicated technical sales teams for each of our business groups, who will gladly answer any questions you may have about a product or service we offer.

Our engineers undertake regular training at our suppliers, so they are up to date with the latest technical developments.

## WHY DO WE DO IT?

Because it matters to you.

We understand that you want to use suppliers who are easy to deal with, and are there ready to answer your questions when you need them answered.

We get that lead times can be a hassle, so we carry stock to avoid that headache.

Despite that, you rightly expect to pay a fair and reasonable price.

We understand that technical support matters, which is why we keep our technical team up to date with the latest product information.



# OUR SERVICES

## RENTAL / LOAN

Handheld test & measurement equipment.

## EXPERTISE & CONSULTANCY

Across all of our products.

## CALIBRATION

Transducers, sensor & other equipment.

## SERVICE & REPAIR

Down to component.



# Our Suppliers



**ADM SYSTEMS GROUP**

+61 1300 236 467  
[sales@admtech.com.au](mailto:sales@admtech.com.au)  
[admtech.com.au](http://admtech.com.au)



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