

# TL6000<sup>TM</sup>

## DIGITAL TENSION LINK SCALES

**Safety. Quality.  
Reliability.  
These are your  
requirements.**

**... The TL6000  
is your answer.**

Cranes, riggers, shipyards, inspectors and utilities demand cost effective yet technologically advanced solutions for monitoring and controlling loads.

The TL6000 is the industry standard bearer delivering capacities from 500 lbs to 300 tons in a light weight compact design. High performance electronics guarantee a wide range of easy to use functions for virtually any application

### High Performance Features

The state of the art 14 bit A/D microprocessor delivers more features and functions to ensure the TL6000 is a versatile yet easy to use tool. Everything is powered by two (9V) alkaline batteries that provide more than 500 hours of continuous use to ensure you are virtually never without power. No other tension link offers these all encompassing features in one complete unit.

- Readings are easily viewed via the jumbo sized 1.2 inch / 30 mm high characters.
- All models capable of displaying up to five digit weights for high capacity weighing.
- Nine large display icons identify the mode or function.
- Standard controls, sealed in a mechanical membrane keypad for trouble free operation, include On/Off, Mode, Zero, Peak and Tare.
- Readings can be displayed in lb / kg / Tons / Metric Tons and dekaNewtons.
- Two programmable set points alert the user when loads reach the preset levels.
- Peak Hold updates up to fifty times per second for fast and immediate notification of maximum loads and breaking points.
- Tare range is 100% of unit's capacity.
- Adjustable sample rates enable you to slow down or speed up the weighing process for greater stability of readings.
- Programmable sleep mode adjusts battery consumption to meet your individual needs.
- Adjustable auto shut off to conserve battery life.
- Serial data output via RS232 or RS485 in continuous or demand mode.
- Adjustable baud rate from 300-19,200 interfaces with almost any remote device.
- Error messages for fast and easy troubleshooting. Eliminates guess work when determining nature of problem.
- Display update rate can be programmed for most any application.
- Low battery indication.



# TL6000

## Compact Design

Light weight and compact - the TL6000 answers most overhead weighing requirements but now provides the ultimate in portability. Perfect for weighing in multiple locations. It allows easy installation into almost any line and reduces headroom loss due to the low overall height. *The TL6000 is your mobile weighing and line tension device for use anywhere and anytime.*

## Unparalleled Accuracy

Performance characteristics wouldn't mean a thing if not for the TL6000's unparalleled accuracy AND repeatability. Temperature compensation and state of the art strain gauge sensors provide an accuracy of  $\pm 0.1\%$  of applied load. Unique microprocessor technology requires only three point linearization for simple and straight forward keypad calibration. All standards are traceable to the National Institute of Standards and Technologies. Formal calibration certificates are standard with each unit.

## Durable Construction

The TL6000 is constructed from high strength aluminum, carbon or stainless steel. All models are sealed for maximum protection against repeated strain, corrosion and deterioration thereby granting a longer life. Shock mounted and capable of withstanding loads up to 200% of rated capacity and maintains a safety factor of 5:1. All load bearing components capable of meeting U.S. Navy hardness ratings. Uses Crosby top and bottom shackles. Nema 4X / IP 65 environmentally sealed for all weather performance.

Take the guesswork out of your application and see for yourself why the TL6000 is the tool of choice.



## Remote Control Devices

*The TL6000 is available in a variety of configurations with optional accessories to complement and complete your weighing requirements.*

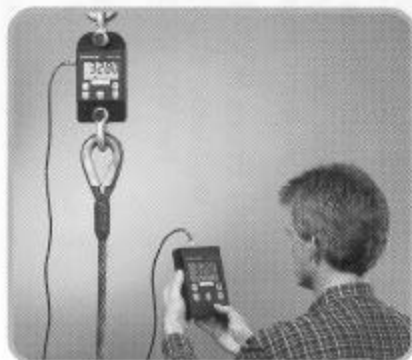
When the TL6000 cannot be viewed from long distances, it can be cabled to TL-IND series remote indicators to guarantee operation in virtually any surrounding. Via the quick disconnect, any capacity tension link can be connected to the remote indicator to provide greater flexibility and cost effectiveness.



If cables get in the way of your operation, rest assured the TL-RF series wireless remote indicators can get around and operate within a wide band of frequencies at distances up to 300 feet / 100 meters. Intercomp utilizes powerful transceivers that are FCC certified and require no special licensing requirements. The TL-RF remote indicator will also simultaneously display and control numerous TL6000 tension links for multiple load monitoring and summing applications.



Depending on your viewing and operational requirements, choose from either a TL6000 WITH OR WITHOUT the self-contained indicator to achieve single or tandem display viewing capabilities.



When the TL6000 is configured with a display, the TL-IND2 and TL-RF2 remote indicators provide a tandem display capability as well as On/Off, Tare and Zero functions.



When the TL6000 is configured without a display, all of its features and functions are controlled directly by the TL-IND1 or TL-RF1 remote indicators. The two programmable set points are commonly used with these indicators to indicate and alert the user when loads approach and exceed desired values. This is a critical function of any line monitoring system and enables the indicator to easily interface with external alarms, warning systems and motors to prevent accidents and improve overall safety.



All TL indicators are weather sealed, AC/DC powered and housed in a corrosion resistant NEMA 4X / IP 65 enclosure. Optional sturdy, waterproof carrying case provides added protection and system portability.

## A Cost Effective Solution For Almost Any Industry

### Rigging

The compact design and portability make the TL6000 a riggers preferred tool for balancing tension on guy ropes or suspended loads. The unit can be taken virtually anywhere and installed into a line within minutes for fast, easy, and reliable performance. Multiple tension links can be summed and controlled by one indicator to simplify balancing and/or monitoring.

### Tension Testing

The TL6000, when installed in tension test machines, provides an accurate and safe means of inspection. The peak hold function and adjustable update rate displays the maximum load and/or tension break point. RS232 and RS485 outputs enable data to be interfaced with printers, computers and customized software.

### Crane Load Certification

Crane operators continually struggle with certification requirements under a variety of loads, conditions and ever changing standards. With portable capacities up to 250 tons, inspectors can easily move from crane to crane for on-site certification to reduce the threat of safety hazards and amount of required repairs.

### Load Monitoring

Take the guesswork out of any overhead or suspended load. The TL6000 provides a cost effective solution for monitoring all types of unknown loads. Positioning the TL6000 at the dead end of a line and interfacing with an indicator enables weights to be viewed directly from the cab.

### Process Control

Batch, blending, flow control and loading/unloading applications utilize the programmable set points to control processing to a desired rate thereby granting greater efficiency and precision in the production environment.