



## LOAD MOMENT INDICATOR FOR OVERHEAD CRANES

## TENSION LOADCELL / LOAD PIN

## Technical Data Sheet

### SYSTEM FEATURES

- Rugged outdoor design for harsh environments.
- Large super bright display with red LED's for excellent readability.
- All boxes built with suitable water and dust protection.
- Overdesigned load cells to help with prevent damage when shock loaded.
- All components separate for easy installation and maintenance.
- Easy calibration with TS350 display unit
- 3 Tier LED robot light for visual warning

### SYSTEM COMPONENTS

QUANTITY	ITEM DESCRIPTION
1	TS350 Display Unit Including Swivel Mounting Bracket
1	T300 Motherboard in IP65 Junction Box Suitable for Exterior Mounting
1	Pin or Tension Loadcell
1	Complete Operator's Manual
All Cables to Complete Installation of Complete Load Indicator	

### OPTIONAL COMPONENTS

QUANTITY	ITEM DESCRIPTION	SYSTEM USE
1	4 DIGIT (160mm) Large Screen Display	Load Viewing for Personnel in Vicinity of Machine
1	Wired Anemometer – Wind Speed Meter	Required by Some construction & Mining Regulations
1	Flashing Led Robot Light (Red, Amber & Green) Supply 11–35 VDC	Required by Some Construction and Mining Regulations

### TECHNICAL SPECIFICATIONS

#### T300 Mother Board

- Double Multi-layered circuit board – 2 layers
- 220VAC Input Voltage
- 2 x Optically Isolated Digital Inputs
- 1 x Load Cell Inputs
- 2 x Potential Free Outputs - Optional
- 4 x Normally Open 220VAC Live Outputs
- IP65 Glass Fibre reinforced polyester enclosure
- RS485 Communication
- Wi-Fi Communication (Wi-Fi separate module) - Optional
- USB A Interface
- Outside Dimensions 260 x 160 x 100mm (L x W x H) excluding gland entries
- Military specification Plug for easy connection of display unit.
- Calibration via TS350 display unit

### **Outdoor LED Display Unit**

- 4 x 160mm Digits
- IP54 Protected Enclosure
- Powder-coated
- RS485 Interface
- Outside Dimensions 620 x 200 x 105mm (L x W x H) excluding mounting bracket

### **Tension Loadcell or Load Pin**

- Measuring range – As per crane specification
- Excitation - 2mV per volt
- Load cell connection via military specification plug.
- Lock plate to prevent load cell turning.
- IP64 environmental protection

### **Robot Light**

- 3 Tier LED Light (Red, Amber & Green)
- 10-30VDC Operating Voltage