



CRANE SAFE LOAD SYSTEMS AND WEIGHING EQUIPMENT

TECHNICAL DATA SHEET - SAFE-AID TS7000 LOAD INDICATOR FOR TEST BENCHES

SYSTEM FEATURES

- Designed for easy operator use
- System test with self-diagnostic capabilities
- Resistive touch screen operation
- Large colour display with excellent sunlight readability
- On board basic calibration with simple calibration techniques
- Vibration proof and tested at extreme temperatures including high humidity (-20 to 70°C)

MODES & DATA MANAGEMENT

- Target Load Display
- Actual Load Display
- Provision of asset number entry prior to each test
- Break test function
- Real time clock with calendar to facilitate date & time indication for data
- Data Logger – data points to be logged against time to enable plotting of a load graph
- Easy zeroing to tare the system
- All test reports saved to USB flash drive to enable easy printing

SYSTEM COMPONENTS

QUANTITY	ITEM DESCRIPTION
1	TS7000 DISPLAY UNIT INCLUDING SWIVEL MOUNTING BRACKET
1	DATA LOGGER WITH REAL TIME CLOCK AND BATTERY BACKUP INCLUDING 16G FLASH DRIVE
1	T300 MOTHERBOARD IN IP67 GLASS FIBRE REINFORCED POLYCARBONATE ENCLOSURE
1	LINK LOAD CELL
1	COMPLETE OPERATORS MANUAL
ALL CABLES TO COMPLETE INSTALLATION OF COMPLETE SAFE-AID TS7000 LOAD INDICATOR	

TECHNICAL SPECIFICATIONS

TS7000 Display Unit:

- Single Multi-layered circuit board – 4 layers
- 7” TFT Colour Touch LCD with backlight
- Graphical Colour Screen – 256,000 Colours
- Display Resolution – 800 x 480 Pixels
- 91 x 152mm Viewing Area
- Aluminium Bezel fitted to powder coated sheet metal enclosure
- Replaceable Transparent Touch Screen protection sticker
- CAN Bus & MOD Bus 485 communication
- 1 x Optically Isolated Digital Input
- 1 x High side driver with intelligent protection and fault reporting
- IP55 Protection (BS7262 5.7)
- Outside Dimensions 145 x 203 x 55mm (L x W x H) excluding mounting bracket
- Battery Backup
- USB A Chassis Mount Plug

T300 Mother Board in Protective Box

- Double Multi-layered circuit board – 2 layers
- 230VAC Input Voltage
- IP66 Glass Fibre reinforced polyester enclosure
- 2 x Load Cell Input (mV input)
- 6 x Normally Open 10A Outputs (12 to 3VDC or 230VAC)
- 2 x Potential Free Contact Relays
- 2 x Optically Isolated Digital Inputs
- 1 x 4-20mA Input
- CAN Bus and/or Wireless (Optional) Communication
- Outside Dimensions 260 x 160 x 95mm (L x W x H) excluding gland entry

Cabling & Wiring

- All communication cables 0.5mm² screened

Load Cell

- Measuring range – As per client specification
- Excitation - 2mV per volt
- Load cell connection via military specification plug. .
- IP64 environmental protection