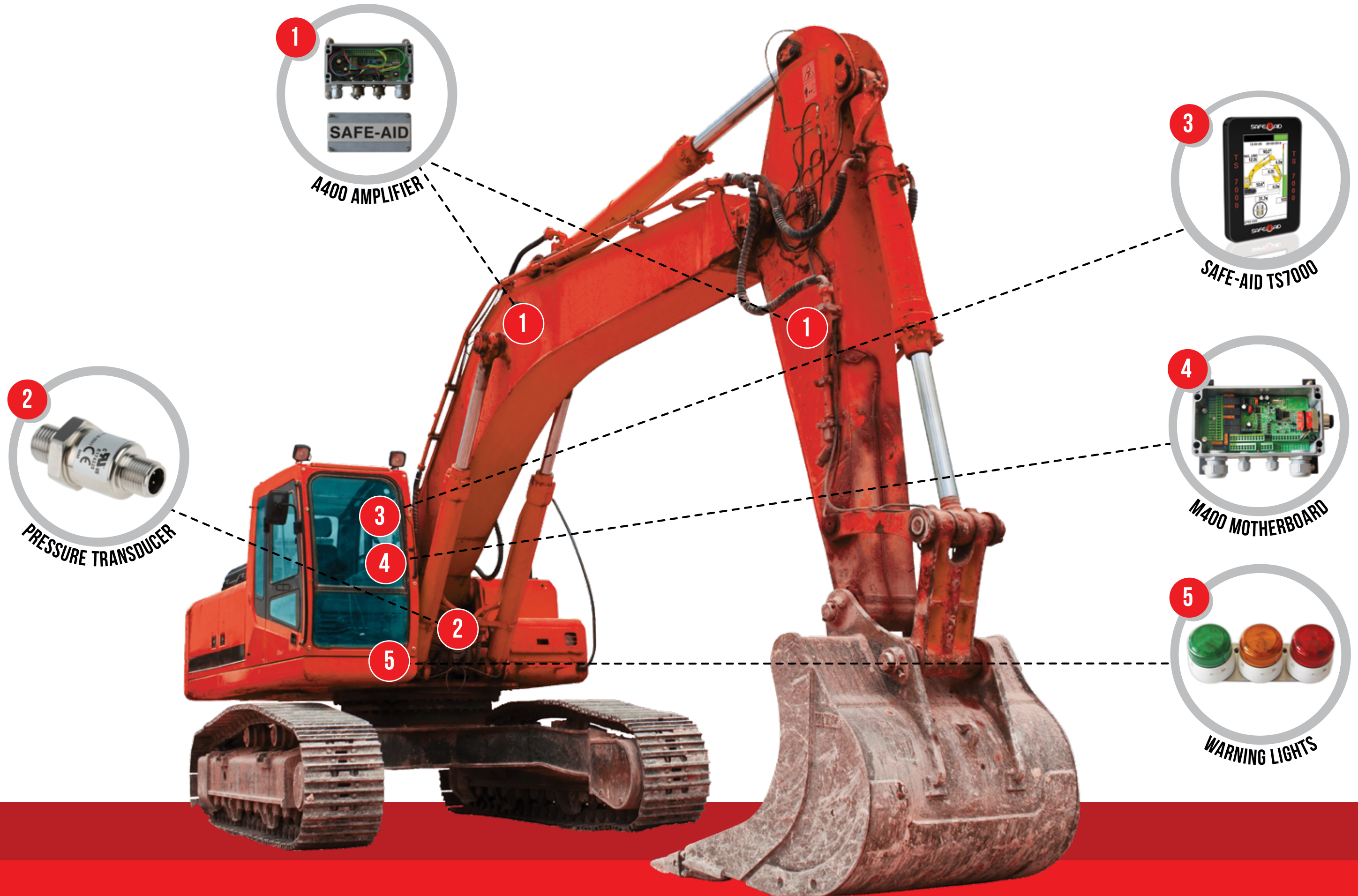


GLOBAL LEADERS IN MOBILE CRANE / CONSTRUCTION MACHINERY CONTROL SOLUTIONS

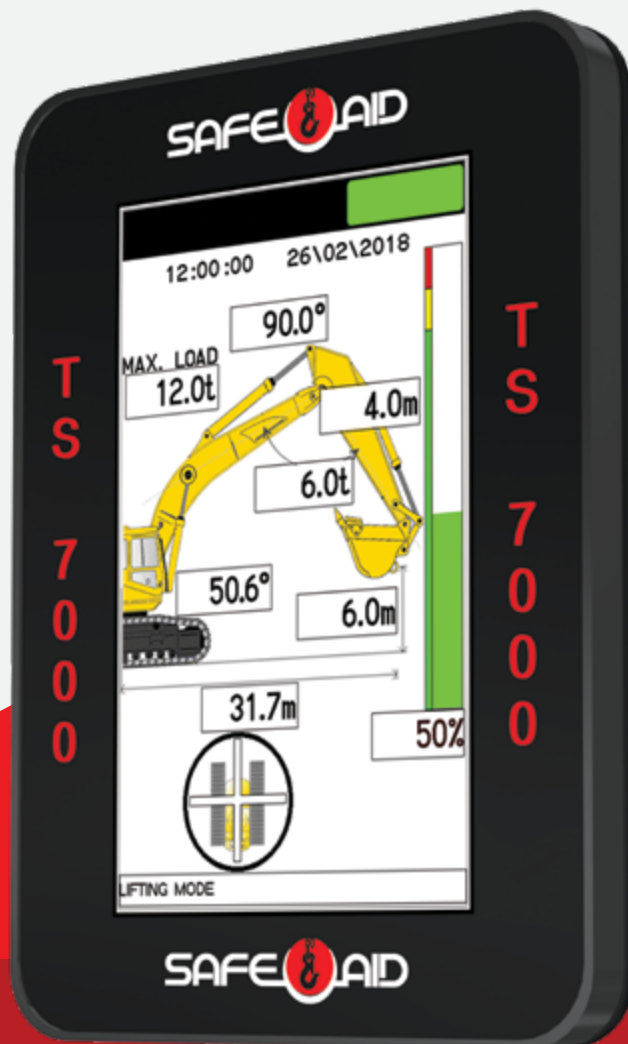
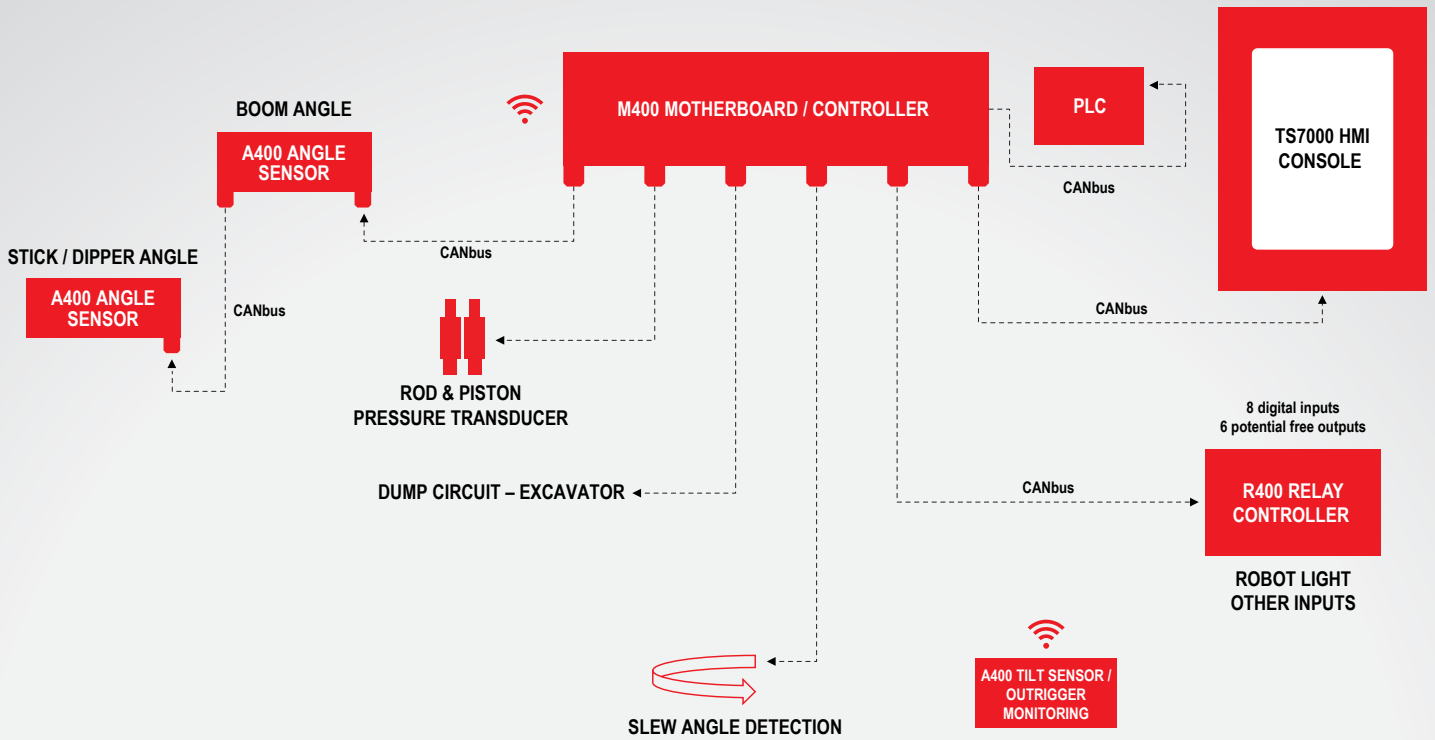
INNOVATIVE TECHNOLOGY | EXPERIENCE | GLOBAL SUPPORT ORIENTATED



TS7000 CANBUS SLI FOR EXCAVATOR



SAFE-AID TS7000 EXCAVATOR SLI SYSTEM BASIC SCHEMATIC



SAFE-AID SLI LIFESPAN CYCLE SUPPORT

EXCAVATOR DEFINITION

- Range Chart
- Excavator Geometry
- Serial Number
- Inspection
- Software Initiation
- Retrofit or OEM Prototype

SYSTEM CALIBRATION

- Radius
- Load Accuracy Trimming
- Angle Calibration
- Sensor's Calibration
- Menu Driven Settings Adjusted

EXCAVATOR COMMISSIONING

- Load Testing
- Minor Adjustments
- Operation with Weights
- Sign off

SERVICE & UPDATE

- Regularly Service
- Regularly Calibrate
- Software Enhancements
- Hardware Upgrades
- Maintenance Support

Consider the Safe-Aid TS7000 a long term investment – immeasurable safety & support throughout the life of your excavator.

TECHNICAL SPECIFICATIONS

TS7000 DISPLAY UNIT

- 10-48 VDC Input Voltage
- 7" TFT Colour Capacitive Touch LCD
- Graphical Colour Screen – 256,000 Colours
- Display Resolution – 800 x 480 Pixels
- 91 x 152mm Viewing Area
- CNC Machined Nylon Bezel with Powder Coated Sheet Metal Back Box
- Replaceable Transparent Touch Screen Protection Sticker
- CAN Bus or MOD Bus Communication
- USB A Device Port for Software Upgrade or Data Logging
- External USB Connector for Data Logging (Optional)
- 85dB Audible Alarm
- Real Time Clock for Data and Error Logging Timestamps
- IP55 Protection (BS7262 5.7)
- Outside Dimensions 145 x 203 x 55mm (L x W x H)

M400 MOTHERBOARD

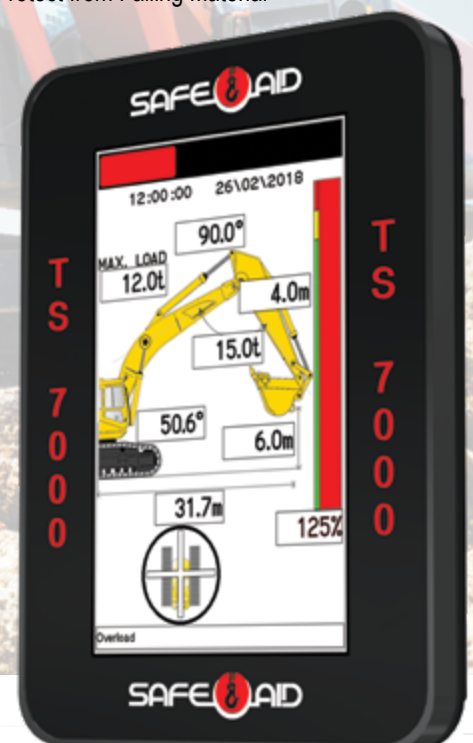
- 10 – 33VDC Input Voltage
- Phoenix Contact Spring Terminals
- Fuse Protected Input Voltage – 2Amp
- 4 x Optically Isolated Digital Inputs (Optional) (PNP or NPN User Selectable)
- 1 x Load Cell Input (mV Input) 5V Excitation
- 4 x Inputs Built in any Combination of 4-20mA or 0 – 5VDC Analogue Input
- 1 x 10 Amp Relay Output (Potential Free Contact) with Fault Reporting (Dump/Auto/Cut Off) – 5 Amp Fuse
- 3 x 10 Amp Relay Outputs (Potential free contacts) – 3 x 5 Amp Fuses
- Monitored & Fuse Protected Key Switch Input for Dump/Auto - Cut Off Relay
- CAN Bus and/or 2.4Ghz Wireless (Optional) Communication
- USB A Device Port for Software Upgrade
- Power LED, CPU Running LED and Communication Status LED
- IP66 Glass Fibre Reinforced Polyester Enclosure
- Outside Dimensions 220 x 120 x 100mm (L x W x H)

PRESSURE SENSOR

- 4-20mA Output
- 0 – 600 Bar Measuring Range
- IP67 M12 Connector
- High Pressure Hydraulic Fitting
- Pressure Spike Restriction
- Outside Dimensions 50 x 22 x 22mm (L x W x H)

A400 AMPLIFIER BOARD

- 10 – 35VDC Input Voltage
- IP66 Glass Fibre Reinforced Polyester Enclosure
- Angle Measurement Using a High Sensitivity Multi Axis Accelerometer (Accuracy $\pm 0.1^\circ$)
- 2 x Load Cell Input (mV Input)
- 2 x 0 - 5 VDC Inputs (Standard) or 2 x 4-20mA Inputs (Optional)
- 3 Analog Inputs Maximum can be Configured and used Simultaneously
- 1x 4K7 Sensing Input for Anti-2-Block input (Can be Built as Optional Optically Isolated Digital Input)
- 3 x Optically Isolated Digital Inputs (PNP or NPN User Selectable)
- CAN Bus and/or 2.4Ghz Wireless (Optional) Communication
- Outside Dimensions 210 x 110 x 95mm (L x W x H) Excluding Gland and Plug Entries
- Enclosed in Steel to Protect from Falling Material



QUALITY



Management System
ISO 9001:2015



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