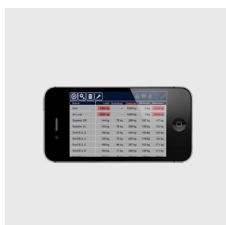# TAIT

Kinesys
Libra
Range

A range of products designed to offer simple and accurate load measurements for use in any number of rigging and load bearing applications.

Kinesys Libra range provides simple, accurate load measurements for diverse rigging applications. The system includes a load cell, hub/power supply, and viewing software, all designed for easy, reliable use.

Kinesys Libra also integrates seamlessly with other products, enhancing system-wide load monitoring.

Kinesys Libra Cell

Kinesys Libra Cell is a load measuring shackle which, when combined with the other elements of the Kinesys Libra range, produces accurate, real time load information.

The load cell itself features the Kinesys Libra shackle pin, which is designed to work exclusively with the world-wide recognised Crosby safety bow shackle. This innovative design means there is no loss of headroom as the load cell is built right into the shackle, a direct replacement for the famous 'red pin'. Kinesys Libra Cell maintains a safety factor of 5:1 up to the full rated load stamped on the side of the bow.

Built into the load cell is a highly visible LED display allowing users to view the live load as well as input a tare value and switch between kg and lbs, all via an easy to use menu system.

FEATURES

3.25T AND 4.75T CAPACITY
    VERSIONS AT 5:1 SAFETY FACTOR

1.62T AND 2.37T CAPACITY
    VERSIONS AT 10:1 SAFETY FACTOR

ON BOARD LOAD READOUT
    N LBS OR KG

SHACKLE DESIGN MEANS
    NO LOSS OF HEADROOM

BUILT IN MENU FOR SETTING
    TARE AND OTHER OPTIONS

CONTROL CONNECTIONS

XLR4 POWER AND DATA INPUT

XLR4 POWER AND DATA OUTPUT

Kinesys Libra Pro

Kinesys Libra Pro features four XLR4 outputs allowing up to 100 loadcells to be monitored. It also features four programmable relay outputs and Ethernet connectivity.

Integration is at the heart of the Kinesys Libra Pro. Multiple Kinesys Libra Cell outputs and USB and Ethernet connectivity make this the core of a Kinesys Libra range. Kinesys Libra Pro relay outputs can be utilised to trigger alarms or beacons to warn of underload or overload situations. When Kinesys Libra Pro is used with Kinesys Libra Watch it can unleash its full potential.

FEATURES

CONNECT UP TO 100 LOADCELLS

ETHERNET CONNECTION FOR
    KINESYS LIBRA WATCH

USB CONNECTION FOR KINESYS LIBRA VIEW

PROGRAMMABLE RELAY OUTPUTS

4 X XLR4 DATA CONNECTIONS

CONTROL CONNECTIONS

4 X XLR4 FEMALE LIBRA CELL OUTPUTS

1 X ETHERNET (ETHERCON)

1 X USB (TYPE B)

2 X MAINS SWITCHED RELAY OUTPUTS

2 X VOLT FREE RELAY OUTPUTS

Kinesys Libra WiFi

A key advantage of Kinesys Libra WiFi is its unique design, perfect for using at any live entertainment event.

The aerial mounts easily on any truss to maximize signal quality without limitations. A built-in firewall ensures only Kinesys data enters the network, allowing fast, secure load data communication.

The system's WiFi is compatible with all Kinesys devices and can plug into any Ethernet-enabled controller to broadcast load data without additional hardware. Ethernet connectivity also allows the network to access all system load data seamlessly. As wireless networks can be unpredictable during live shows, TAIT recommends using a wired connection for reliable load monitoring during performances.

FEATURES

ALLOWS KINESYS LIBRA CELL DATA TO BE BROADCAST WIRELESSLY

USE WITH KINESYS LIBRA WATCH

BUILT IN FIREWALL ENSURES A FASTER, SAFER, MORE SECURE LOAD DATA NETWORK

CONTROL CONNECTIONS

AN ETHERNET CONNECTION (POE) FROM KINESYS LIBRA PRO PROVIDES POWER AND DATA TO KINESYS LIBRA WIFI

SUPPORTS IEEE 802.11 B/G/N (2.4 GHZ)

IEEE 802.11 A/N (5 GHZ) OPTION AVAILABLE

Kinesys Libra Split

Kinesys Libra Split allows multiple chains of Kinesys Libra Cell to be connected to a single data connector.

The total number of cells connected to Kinesys Libra Split is restricted by the limitations of the master port or master device.

Kinesys Libra Split is housed in a robust extruded aluminium case and receives power from the incoming data cable.

FEATURES

DIMENSIONS: 129 X 81 X 47MM
    (5.1 X 3.2 X 1.9IN)
    (EXCLUDING CONNECTORS)

WEIGHT: 0.27KG (0.6LB)

INDICATORS: POWER AND ACTIVITY

DATA INPUT

1 X NEUTRIK XLR4 MALE

DATA OUTPUT

4 X NEUTRIK XLR4 MALE

Kinesys Libra Basic

Kinesys Libra Basic offers a simple and cost effective method of powering and monitoring Kinesys Libra Cells.

When used in conjunction with the Kinesys Libra View software, data from the load cells can be viewed, grouped and logged easily. A USB socket makes connection very simple.

Kinesys Libra Basic is powered by an external universal power supply that allows the system to be used anywhere in the world.

Kinesys Libra Basic can power up to 25 Libra load cells from the single XLR4 connection on the front of the unit.

FEATURES

POWERS UP TO 25 LOADCELLS

USB CONNECTION TO KINESYS LIBRA VIEW
    SOFTWARE

USB 2.0 COMPLIANT

SINGLE XLR4 DATA CONNECTION

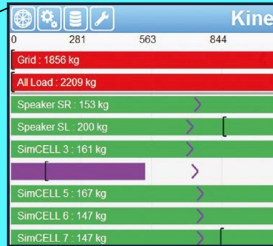EXTERNAL UNIVERSAL POWER SUPPLY

DATA ACTIVITY INDICATORS

CONTROL CONNECTIONS

USB CONNECTION TO KINESYS LIBRA VIEW

XLR4 OUTPUT (POWERS UP TO
    25 KINESYS LIBRA CELLS)

Kinesys Libra Watch

Kinesys Libra Watch is a portable, user-friendly and powerful load monitoring software application that is an integral part of the Kinesys Libra range.
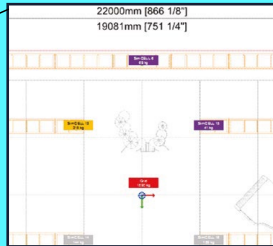
Kinesys Libra Watch is multi-platform software for computers, tablets, and smartphones that provides load data in table, graph, or plan formats with a user-friendly interface.

Overload and underload alarms are accessible on multiple devices, allowing teams a comprehensive view and remote editing access via PIN. Data is logged and can be saved or emailed, while Kinesys Libra WiFi transmits this data securely using a built-in firewall. Compatible with Windows, Mac, Android, and iOS, Kinesys Libra Watch enhances load management at live events, enabling mobility and ease for technical staff. Download Kinesys Libra Watch for free on the Kinesys website or app stores.

GRAPH VIEW

Visualise live loads in bargraph form as well as overload, underload and maximum and minimum values.

LOAD TABLE VIEW

Visualise individual loads and groups in a grid table format.

PLAN VIEW

View live loads positioned over a plan view of the installation.

SETTING PARAMETERS

Allows the adjustment of various cell parameters - address, name, overload and underload.

Optionally protected by a PIN number.

FEATURES

FREE DOWNLOAD

IOS, ANDROID, WINDOWS AND MAC SUPPORT

VIEW KINESYS LIBRA CELL DATA ANYWHERE
    VIA WIFI OR ETHERNET

MULTIPLE DEVICES CAN BE CONNECTED
SIMULTANEOUSLY

SET OVERLOAD AND UNDERLOAD ALARMS

VIEW DATA AS A TABLE, A GRAPH
    OR ON A PLAN

Learn more about the Kinesys family of TAIT Products.

Explore ranges

Kinesys Apex Range

Kinesys DigiHoist Range

Kinesys Elevation Range

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