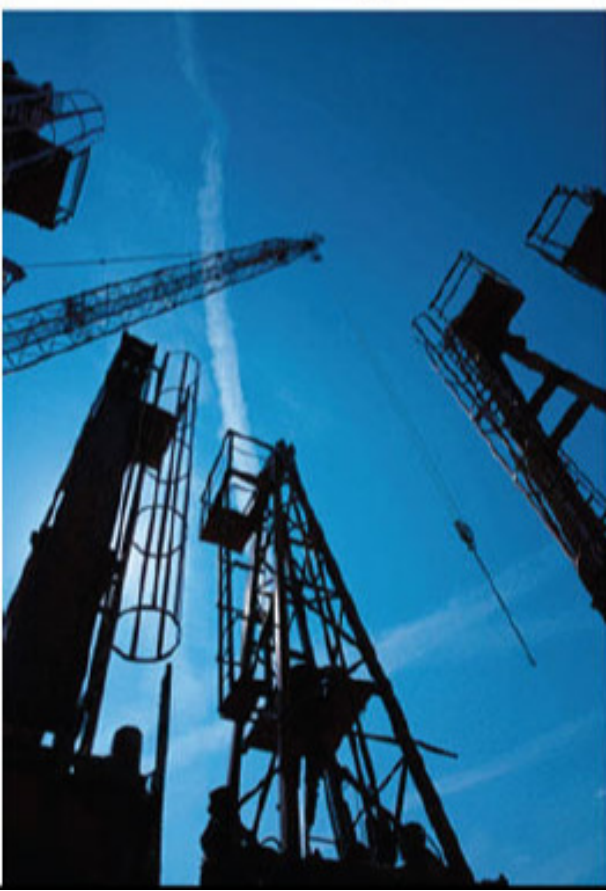


HMM-Hytech

Smart
SLI



Overview

The Smart Crane series of Safe Load Indicators have different models for Crawler Cranes, Hydraulic Mobile Cranes, Industrial Gantry Cranes, Overhead Travelling Cranes, All Terrain Cranes, Rough Terrain Cranes, Mooring Winch Tension and Footage Counters and Structural monitoring.

Model X-L

Suitable for lattice boom cranes of different sizes and boom lengths. Consists of Boom & Angle Sensor, Overhoisting Switch, Dynamometer

Model X-T

Suitable for telescopic boom cranes upto 30 meter extension. Consists of Boom Length and Boom Angle Sensor, Overhoisting Switch, Load Dynamometer

Model X-T Genie

Suitable for telescopic boom cranes, this system consists of an angle sensor, overhoisting switch, load dynamometer and a laser based boom length sensor. This also comes with a wireless Overhoisting Switch

Parameters Displayed

- Actual load being lifted by the crane
- Safe load for that configuration and position of crane
- Radius in feet/meters
- Boom length
- Boom angle
- Audio visual warning when approaching load limit
- Audio visual alarm on overload
- Slewing angle
- Crane Tilt

Other Features

- Operator adjustable limits
- Alarm when unsafe condition
- Operator friendly interface, clear display of relevant information
- Password prevents unauthorized tampering of setting
- Sealed touch sensitive control panel
- Load chart cannot be tampered
- Overhoisting protection

Options:

- Laser type boom length sensor
- Wireless Overhoisting Switch
- Wireless Dynamometer
- Slew Angle Sensor
- Tilt Sensor for Ensuring that the crane is level



Tensiometer

Material of Construction:	Alloy steel/Aluminium with SS load pins. For marine applications 100% stainless steel.
Sheave Bearings:	Sealed
Mounting:	Directly on boom or flexible assembly
Rope Diameter:	12mm to 45 mm
Sheave Diameter:	100 mm, 125 mm
WxLxH:	As per application
Maximum Capacity:	As required
Linearity:	1% of full scale
Operating Temp:	-10°C to 60°C



Angle Sensor

Rating:	Horizontal to 90° Vertical
Input Power:	5 Volt DC
Output:	0 to 5 Volt
Application:	Fixed Boom Cranes



Boomlength Sensor

Maximum Length:	Upto 150 Feet
Input Power:	5 Volt DC
Output:	0-1 Volt
Application:	Telescopic boom cranes
Angle Sensor:	Horizontal to 90° Vertical
Output:	0 to 5 Volt



A To B Switch

Type:	Two wire connection type
Application:	To prevent Overhoisting of Hook
Weight:	Yes



Load Sensor Hydraulic Cranes

Type: Strain gauge
Output: 2mV per Volt
Excitation: 10 Volt DC
Note: Specially designed for mobile equipment



Digital Display Unit

Type: Micro Processor Based
Display: 16x2 LCD with Backlight
Power Supply: 110/220 Volts AC; 12/24 Volts DC
Bar Graph: On some models
Visual: Yes



Swinging Angle Sensor

Range: 0-360 Degrees Horizontal
Input: 2 wire ; 5 to 15 Volts DC/AC
Output: Two wire output

Tilt Sensor

Range: 0° to ±20° x and y axis
Power: 12/24 Volt DC

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