

# APSH Crane Safe Load Indicator

*Safety of Life and Equipment*



**SMRC Technology**

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**Safe Load Indicators ( SLI) and Load Moment Indicators (LMI)** are devices which display the Current Lifted Load weight and it is continuously compared with the Load Chart provided by the crane manufacturer to ensure that the crane doesn't topples down or there is no other structural damage . In case the lifted weight reaches to the limit is raises alarm and finally can stop the operations of crane.

We are situated at **Raipur, Chhattisgarh, India** and are the pioneer manufacturers of SLI in central India for all type of cranes including Crawler and Mobile conventional and Hydraulic cranes, Tower cranes used in construction and Off Shore Bulk material lifting cranes. Our SLI are designed for cranes of capacity varying from 20 - 800 Tons. We are one of the few in India to have SLi based on Hydraulic Oil Pressure sensing an have successfully installed our systems in Hydraulic cranes of upto 200 Tons. We are a Strat-up setup in 2016 and are fast expanding. We have our Electronics lab and Mechanical workshop with a dedicated R&D and manufacturing team.

We were **first in India** to launch SLI with Touch screen facility for ease of operation and calibration. We have various installations in India and have our presence in Russia, Malaysia and Romania. We are expanding to other parts of the globe with our supply and retrofitting jobs.

Our team has members with industrial exposure of more than 20 years in Industrial and Commercial Equipments and Automation products. We are into Hardware and Software development and manufacturing, and have developed several Industrial products to promote Make in India and Atmanirbhar Bharat. We have our presence in Cement, Steel, Construction and Agriculture sector with our Electric, Hybrid and Solar product range. We are in development of products for **Research and Patent** in collaboration with Academic and Research Institutes



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## Product Range

The Digital model "Digi - x" have a LCD Screen with conventional or feather touch buttons and the Touch Screen models include "Touch - X" and "Touch - X+" models. All the models are Rugged design built to provide Reliability, Linearity, Accuracy and Long Life Span.

### Digi - X



### Touch - X



### Touch - X+



The features available are Overload Limit, Single/Dual/All Hook Load monitoring, Over Hoisting Protection, display of all weights, Boom Angle, Radius, Boom Length, Boom Tip Height, Wind Speed, Crane Tilt Slew Angle alert.

The system is IP 65 compliant, with Screen size varying from 5,7 to 9 inches, can be powered by 12/24 V DC or 110/220/240 V AC as per the requirement and the Operating temperature range is -10 DEG C to 70 DEG C. Overall it is a User friendly, Easy to Operate, Tough, Password protected Accurate device. On demand it can be connected to cloud for remote access of report generated on working hrs, diesel consumption, Load lifted and other customised sensors and parameters.

### Heavy Duty Tensiometer



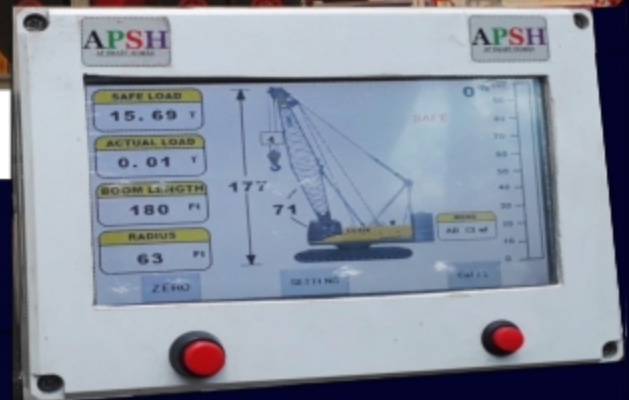
### Boom Length & Angle Sensor



### Hook Limit Switch



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