

Railway Wagon Weighing Scale & Axle Temperature Monitoring System

The number of accidents that take place due to the derailing of the wheels can be reduced if a system is developed which would give an indication about the increase in temperature of the wheel beyond the threshold level. The axle temperature monitoring system will give an automatic indication when the temperature of the wheel increases beyond a certain limit. The railway wagon weighing scale is a system which would effectively measure the weight of the railway wagons so that excessive loading of the wagons is avoided. These two systems are cost effective, flexible and fully automatic. These systems can replace the traditional methods which are carried out manually.

Axle wheel monitoring system:

The technology is a circuit which can effectively detect the crossing of temperature beyond a threshold level. The circuit is a simple circuit and will occupy very less space. The circuit will be fitted near the axle with the help of the metal ring arrangement which will cover the axle completely. This circuit can replace the manual operation. The number of accidents due to derailment can be considerably reduced by employing this system.

Railway wagon weighing scale:

It effectively measures the weight of any object placed on it. The circuit is made of mechanical and electronic equipments. The mechanical arrangement will deal with the placement of the object and the electronic circuit (digital voltmeter circuit) will give the output on the LED display by the movement of the potentiometer by the corresponding movement of the arms connecting the two metal plates.

For further information, please contact

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