



Cable Height Meter can safely measure overhead cables on congested roadways.

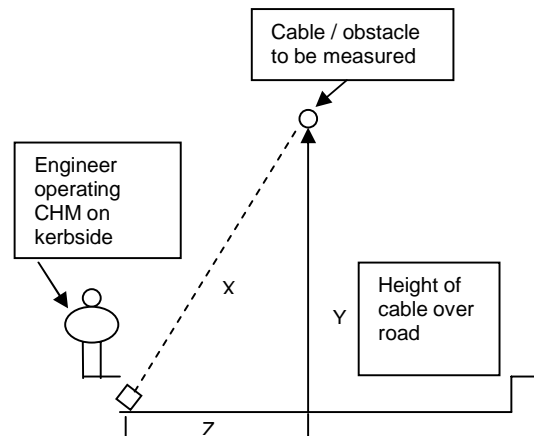
Safety checks are on the increase; Health and Safety Authorities all over the world are getting stricter; inspections are taking place.

SupaRule Cable Height Meters help to improve safety in many applications.

Most Health and Safety Authorities mandate proper clearances of overheads at construction sites and other temporary facilities, in order to minimize and hopefully eliminate collisions with cranes, flatbeds stacked high with earth-moving equipment, and similar hazards. Unlike traditional measurement techniques, the Cable Height Meter is easily transportable (can be carried in the pocket) and used in seconds.

In areas where cables or similar obstacles are overhanging or crossing congested roadways, measurement of the height of these obstacles may be difficult or dangerous, even with the Cable Height Meter. However, using the method described here, the Cable Height Meter can be easily used to calculate the vertical distance to an obstacle overhanging a roadway, by taking a measurement from the a safe distance at the side of the road.

The diagram shows the person doing the measurement, positioned at the side of the road. The requirement is to get the measurement Y, being the vertical height to the overhanging cable, or obstacle, from the surface of the road. The Suparule CHM 300 and CHM 600 ranges of products can be used to calculate the vertical height Y, if the distance Z in the diagram below is known.



The procedure is as follows. The CHM is placed on the ground at the side of the road, and pointed in the direction of the wire, and a measurement taken. The CHM will give a measurement of the distance X. Using Pythagoras Theorem, the vertical height Y can be calculated using the following equation:

$$Y = \sqrt{X^2 - Z^2}$$

(i.e. the square root of $X^2 - Z^2$)

Note that this method will only work satisfactorily if only one wire, or one distinct obstacle is present. If there is more than one present, especially more wires above the target wire, and very close, incorrect values of X may be measured.

Also be aware that the accuracy of the calculated height Y is directly linked to the accuracy of the measurement of the distance Z.

There is no better, safer way to measure overhead cables than with the Suparule Cable Height Meters. The SupaRule Cable Height Meters is your key partner to safety!