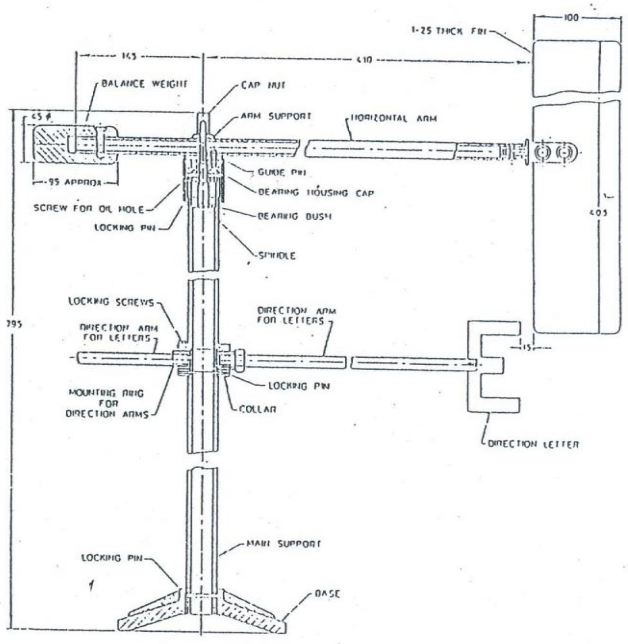
Wind Vane

The 'Virtual' make Wind Vane is used for determining instantaneous wind Direction. Surface wind is best measured by a wind vane and anemometer. Wind direction is defined as the direction from which the wind blows and is measured clockwise from geographical north. Wind direction compass points from which direction the wind is coming e.g. south, southwest, west etc. The unit of measurement for wind direction is therefore compass direction. User plot the wind direction for each day of the month on a special graph called a wind rose. Wind Vane is manufactured as per IS: 5799-1970 which indicates the direction of wind at the point of observation.

The windvane consists of a metal sheet of rectangular form fastened to a metal rod, pivoted and capable of rotating around a vertical axis with a minimum of friction. The weight of the metal sheet is balanced by a metal counter weight at the other end of the rod

For the purpose of obtaining a satisfactory measurement, a windvane will be suitable if it is well balanced so as not to have a preferred position in case the axis is not vertical and if it is sufficiently well designed to have single equilibrium position with respect to each wind direction



All dimensions in millimetres.

Fig. 6·1 Dimensions for Windvane

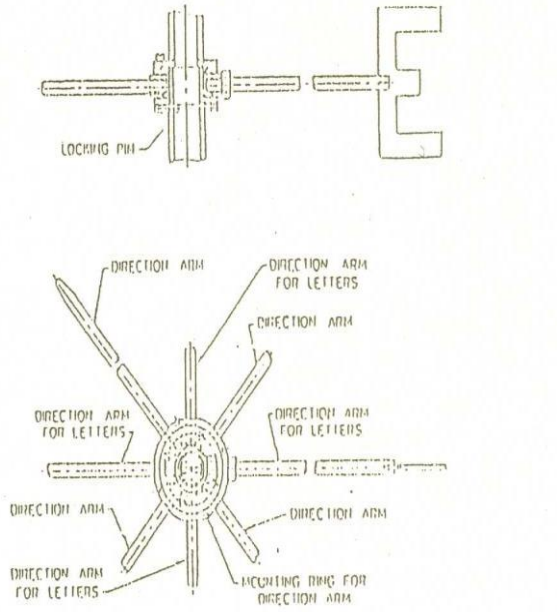


Fig. 6·2 Details of Attachment of Direction Arms to Mounting Ring of Windvane

Virtual Hydromet

1105/1, Salempur Rajputana Industrial Estate
Roorkee - 247667, Haridwar, Uttarakhand, INDIA
Tel:+91-7088-772-772, vhydromet@yahoo.com

Represented by:

*****Drawing / specifications are subjected to change at any time without prior notice as per manufacturing suitability.***