

Specifications

| Sl No | Specifications | Qty |
|---------|---|-----|
| 01 | Solar Panel for charging the battery, when operated at remote sites 12V, 10AH capacity, with automatic charge control facility and mounting stand | 2 |
| 02 | Portable thermo hygro meter- For display of air temperature and rel. humidity, as portable hand –held meter, Range of Air temperature: 0 to 60C, +/- 0.1, Range of Rel. humidity: 0 to 100%, +/- 1 Display: Digital LCD meter, Power: Self contained dry cell battery, Operation: Switch ON the power and turn to temp. and RH for display. | 2 |
| 03 | Wind Velocity Meter- For indicating wind velocity, in a portable hand held manner, Range of Wind speed: 0 to 100 Kmph, +/- 1, Display: Digital LCD meter. Power: Self contained dry cell battery, Operation: Switch ON the power and to display the data. | |
| 04 | Portable Lux Meter- For displaying Light illumination as LUX value, as a portable hand held meter, Range of illumination: 0 to 100,000 LUX, +/- 1%, Display: Digital LCD meter, Power: Self contained dry cell battery. Operation: Switch ON the power and to display the data. | 02 |
| 05 | Sound level Meter- To indicate sound level in a portable meter, Range: 0 to 70 decibels, +/- 1, Display: Analogous or Digital LCD meter, Power: Self contained dry cell battery. Operation: Switch ON the power, hold the meter near the source of sound. | 02 |
| Sensors | | |
| 01 | Air temperature-Outside room, fast response of 5 sec., attached with protection shield for sun light and rain, and mounting bracket, attached with 10m cable with facility for further extension of cable lengths. Range: 0 to 50 C, +/- 0.1 | 01 |
| 02 | Air temperature-Inside rooms, fast response of 3 sec., and mounting bracket, attached with 10m cable with facility for further extension of cable lengths. Range: 0 to 50 C, +/- 0.1 | 01 |
| 03 | Roof temperature, attached with suitable surface sensing facility, attached with 10m cable, with facility for further extension of cable lengths. Range : 0 to 60 C, +/- 0.1 | 01 |
| 04 | Surface temperature of walls / floor etc. attached with suitable surface sensing facility, attached with 10m cable, with facility for further extension Range : 0 to 80 C, +/- 0.1 | 01 |
| 05 | Temperature gradient -inside for different levels of halls / rooms as temperature gradient, combination of 4 separate sensors, fast response of 3 secs, attached with 10m cable, with facility for further extension of cable lengths. Range: 0 to 50 C, +/- 0.1 | 01 |
| 06 | Soil temperature- for different soil depths., protected inside strong metallic chamber and hermetically sealed against geo-static pressure, attached with 10m cable, with facility for further extension of cable lengths. Range : 0 to 80 C, +/- 0.1 | 01 |
| 07 | Soil temperature gradient- with 3 nos sensors buried at required soil depths, protected inside strong metallic chamber and hermetically sealed against geo-static pressure, attached with 10m cable, with facility for further extension of cable lengths. Range : 0 to 80 C, +/- 0.1 Type 2 | 01 |
| 08 | Soil temperature gradient- with 3 nos sensors buried at required soil depths, protected inside strong metallic chamber and hermetically sealed against geo-static pressure, attached with 10m cable, with facility for further extension of cable lengths. Range : 0 to 80 C, +/- 0.1 Type 3 | 01 |
| 09 | Temperature -inside the wall and the insulating materials, with mini size of 2.5 mm dia x 15mm length, attached with 10m cable, with facility for further extension .Range : 0 to 80 C, +/- 0.1 | 01 |
| 10 | Globe temperature- to give the average value inside a room, accounting all factors at different pockets. Made as globe with copper sheet and sensor at its centre. Attached with 10m cable with facility for cable extension. Range: 0 to 50C, +/- 0.1 | 01 |
| 11 | Illumination inside the rooms, with intensity filters and mounting, facility, attached with 10m cable, with facility for further extension. Range : 0 to 20,000 LUX, +/- 1% | 01 |
| 12 | Solar radiation - out side : with filtration and mounting facility, attached with 10m cable, with facility for further extension of cable lengths. Range : 0 to 1500 Watts/ sq.m., | 01 |
| 13 | Solar energy integration: to give the total accumulated energy for days or months, expressed as total accumulated value as watts/ sq.m . | 01 |
| 14 | Reflected solar radiation- to measure reflection from different surface, with filtration and mounting facility, attached with 10m cable, with facility for further extension of the cable lengths. Range : 0 to 1500 Watts/ sq.m., +/- 1%. | 01 |
| 15 | Relative humidity-outside in open area. capacitance type, attached with protection and mounting facility, . attached with 10m cable, with facility for further extension. Of the cable lengths. Range : 0 to 100%, +/- 1% | |
| 16 | Relative humidity-inside rooms/halls. Capacitance type, attached with protection and mounting facility, . attached with 10m cable, with facility for further extension. Of the cable lengths. Range : 0 to 100%, +/- 1% | 01 |
| 17 | Wind velocity, 3-cup rotor with IR pick up, attached with 10m cable, with facility for further extension. Range : 0 to 50 or 100 kmph, +/- 1% | 01 |
| 18 | Integration of air flow/ Wind velocity : To give the total volume displacement of air passing through Sq. m. area at the place, as Cu,m per Sq.m., over selectable intervals up to months. | 01 |