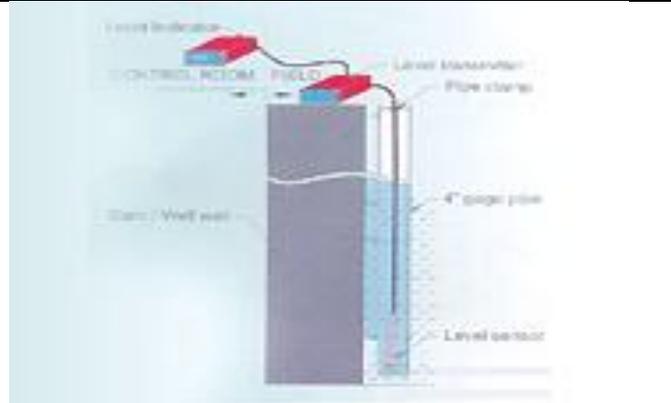




**LEVEL MEASURING SYSTEM**



Model SISPL 5000 level measuring system have been designed to measure the water level of dam, head & tail race side. The system consists of immersion type level transducer (strain gauge based) with cable, signal conditioner and digital indicator etc. The current signal (4-20ma) proportional to water level is transmitted to the control room for display in centimeter or mm on the digital indicator

Model SISPL- 5000-v is an automatic water level recorder and has vibrating wire type level sensor and data logger.

The data logger receives the signal from the level sensor, display the water level & store the data at preset time interval automatically.

The data can be down loaded to pc and the printout can be taken when required.

The automatic water level recorder operates on rechargeable 12v battery and charging of battery will be done when low battery indication glows on data logger.

A Fully charged new battery provides nearly 60 hours of operation on a single charge. A red lamp marked 'Low Batt' provided near the display lights up to indicate that the remaining battery power is less than 15 % of its rated capacity. A separate battery charger is provided with the SIS I-100 to charge the internal battery.

The read-out unit is housed in an enclosure with weatherproof connectors for making connections to the transducer and the battery charger.

Measuring range	:- 50 Meters water head
Accuracy	:- Better than $\pm 1$ cm.
Resolution	:- 0.5cm.



<b>SPECIFICATION:</b>	
<p><b>DATA LOGGER:</b>  <b>Display:</b> 16 character X 2 lines LCD  <b>Sensor Input:</b> Air temperature, Relative Humidity, Wind speed,, Wind direction &amp; Rain fall</p>	<p><b>RELATIVE HUMIDITY:</b>            Type: Digital Sensor, Range: 100%            Accuracy: <math>\pm 3.5</math> RH, Resolution: 0.5% RH Typical            Long term stability: Type&lt;1% RH/ year            Repeatability: <math>\pm 0.1\%</math></p>
<p><b>Real time clock:</b> Provided  <b>Data storage:</b> 128 K EPROM  <b>Power supply:</b> 12V/7 Apm, maintenance free battery, <b>Battery charger:</b> Through solar panel  <b>Tower:</b> Adjustable 6 to 10 feet.  <b>Logging interval:</b> Programmable from 1 min. to 24 hrs.  <b>Operating Temp.:</b> 0 to 50<sup>0</sup>C,  <b>Operating Humidity:</b> 0 to 9% non condensing  <b>Data Retrieval:</b> Through packet able data shuttle to PC or Laptop</p>	<p><b>RAIN FALL:</b>            Sensor: Tipping bucket rain gauge            Least count: 0.2mm., Capacity: Unlimited            Sensing: Magnet &amp; Reed Switch            Material Used: Non-corrosive  <b>WIND SPEED:</b>            Sensor: 3 cup Anemometer            Sensing: Upto coupler            Accuracy: Better than 0.5 m/s.            Material Used: Non-corrosive</p>
<p><b>AIR TEMPERATURE:</b>            Type: Digital Sensor, Range: -40<sup>0</sup> to 128<sup>0</sup>C            Accuracy: <math>\pm 0.5^{\circ}</math>C @ 25<sup>0</sup>C            Resolution: 0.1<sup>0</sup>C typical</p>	<p><b>WIND DIRECTION:</b>            Sensor: Wind vane, Sensing: Potentiometric            Range: 0 to 360<sup>0</sup>, Resolution: 1<sup>0</sup>            Material Used: Non-corrosive</p>

**DATA SHUTTLE:**

The data is pocket size device that can be used to download to a PC or Laptop computer allowing the logger to stay in place for continue monitoring / recording. The shuttle connects to a PC and is used with the turn Key software to readout and view the data. User friendly Windows based Weather Station software allows you to view collected data. Data files saved Microsoft's Excel format.

<b>OPTIONAL SENSORS</b>	
Water temperature Atmosphere Sensors (Barometer) Dew Point Leaf Point Silt Sediment	Soil Moisture Solar Radiation Soil Temperature Evaporation