

### Vedika Instruments Pvt. Ltd.

# **VIPL-CLS Conductivity Level Limit Switches**

are based on the principle of measuring level through the electrical properties of the process material. As the name suggests, the switch senses the level of water or other liquids that have free ions, and are successfully used in processing plants for conductive liquids of conductivity not less than 25 Siemens.

#### Principle

A low AC voltage is applied between the probe electrode and the tank wall (or reference electrode in case of insulated tanks). When the liquid comes in contact with the electrode tip, a conductive path is established between the sense electrode and the tank wall / reference electrode. This current is sensed, amplified and made to operate a relay whose contacts in turn can be used for annunciation / control.

#### Approvals CE Marking, RoHS Compliance

### **Features**

- No moving parts, hence free from maintenance
- No special cable required for signal transmission
- Economical to install
- Allows long connectivity between probe and evaluation unit
- AC on probe prevents electrodes' electrolytic deterioration
- Low voltage on probe for operational safety
- Variety of probes for unique process conditions
- Variety of control functions, installation systems

## **Applications**

- Switch pumps off when tank is full, to avoid overflow
- Maintain a constant level to avoid material wastage
- Switch off pumps when running dry
- Identify empty tank to avoid wear tear, production stoppage

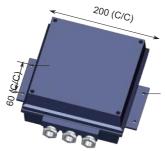
# Why V.I.P.L Instruments

- VIPL Instruments ~ Synonymous with Level Measurement.
- Pioneers in this field with over 32 years of expertise.
- Understanding your problems, always ready with solutions.
- Masters in customization.
- Offering accelerated delivery, saving your inventory costs.

### Parts

The parts of VIPL-CLS are explained in the Figure 1. All dimensions are in millimeters. Figure 2 describes the system diagram of VIPL-CLS.





EVALUATION UNIT

(Overal size : 215x195x85



