



# Integrated Geo Instruments & Services [P] Ltd.

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HYDERABAD – 500 017, INDIA

## WATER LEVEL INDIACTOR WITH SALINITY INDICATOR

### OPERATION MANUAL

The IGIS WATER LEVEL CUM SALINITY INDICATOR is a simple portable instrument capable of indicating water level as well as approximate total dissolved salts in ppm, in borewells/tubewells and open wells.

This instrument consists of a winch with calibrated cable. The electronics and the battery compartment needed for running the circuitry is accommodated in the side box. The instrument runs with 2 Nos. of 9V cells. To change the batteries, open 4 screws of the instrument and change the batteries.

### THE INSTRUMENT HAS THE FOLLOWING CONTROLS

#### PANEL CONTROLS:

1. ON-OFF SWITCH : The switch is to switch on the instrument
2. PANEL METER : This indicates the approximate value of total dissolved salts (TDS) in ppm. The dial is marked as 0,1,2,3,5,7,10,12,20,50,100. To get the ppm these values are to be multiplied by 100.

### OPERATION

1. Switch on the instrument
2. Lower the probe into the well
3. When the probe touches the water the instrument gives beeps the frequency of which is proportional to the salinity. The needle in the panel meter deflects and the value indicated by the meter multiplied by 100 gives the approximate value of total dissolved salts in ppm.
4. Measure the depth of the cable on the counter. The counter is calibrated in metric system.
5. Switch off the instrument after use and rewind the cable.

**NOTE:** Please switch off the instrument to conserve the power.