

**MAGNETIC LIQUID LEVEL TANK GAUGE**  
**ALSO CALLED : FLOAT AND DIAL GAUGE,**  
**FUEL GAUGE,**  
**DIAL LEVEL GAUGE,**  
**OIL LEVEL GAUGE,**  
**LEVER DIAL GAUGE,**  
**MAGNETIC OIL GAUGE.**



**COMPONENTS: FLOAT, FLOAT ARM, INNER AND OUTER SHAFT, DRIVER AND FOLLOWER PERMANENT ALNICO MAGNETS, BEVEL GEAR SETS (OPTIONAL). DIAL GAUGE AND NEEDLE INDICATOR.**

**OPERATION: THE FLOAT RISES AND FALLS IN LIQUID TANK AND FLOAT ARM DRIVES A BEVEL GEAR ARRANGEMENT AS THE FLOAT RISES OR FALLS. THE BEVEL GEAR UNIT IS CONNECTED TO DRIVER MAGNET AND IN TURN MOVES THE FOLLOWER MAGNET OUTSIDE OF TANK WALL. FINALLY, THE DIAL GAUGE NEEDLE IS CONNECTED TO FOLLOWER MAGNET AND MOVES IN UNISON WITH FLOAT AND GIVES PROPORTIONATE RESPONSE TO TANK LEVEL.**