

Krishna - Smart Level Indicator 1

Smart Sensing - Smart Reporting

Krishna introduces its state of the art "Smart Level Indicator 1" to solve all issues related to measuring Milk Volume at Society



Features:

- Hygienic Non-Contact Volume Display
- Bright 4 Digit Display (Red/Green/Amber) of $\frac{3}{4}$ inch (up to 9999 Liter or 99.9°C)
- Provides all Milk Data like (i) BMC ID, (ii) Milk Volume, (iii) Milk Temperature
- 2 way SMS communication over GSM
- SMS can be sent multiple numbers
- Auto alert for Milk Chilling
- Auto alert for reaching 80% of capacity

- Smart Sensing even during Agitation
- Max Error for volume ± 3 Liters
- Max Error in temperature $\pm 0.2^\circ\text{C}$
- Small foot print on tank
- One Time hassle free chart feeding procedure
- One year replacement warrantee

Technical Specification:

- Patented technology from IIT, Kharagpur
- Power Source: 230VAC, 25 Watt
- The ultrasonic transceiver system is designed for rugged use.
- It transmits 120db narrow beam ($\pm 9^\circ$) signal at 40khz.
- Reception sensitivity level is 51db/V/uBar, ranging from 20mm to 2000mm transceiver to transceiver operation.
- These properties of the sensor ensure perfect echoing from a wet surface like milk. The signal is then conditioned through different low pass filters and Fast Fourier transforms to detect exact level of the milk in the tank eliminating foam and other environmental factors.
- The total system is enveloped in an AISI304 housing (conforming IP65 standard) to ensure working over the years.



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