



**CSIR-Central Electronics Engineering Research
Institute**
PILANI-333031, Rajasthan
(TECHNOLOGIES FOR SOCIETY)

Acoustic Milk Analyser



System Capabilities:

The system is capable of measuring milk contents like butterfat (%), solid nonfat (%), proteins (%), lactose (%), density and added water (%) in milk.

System Specifications:

- Portable and user friendly
- Auto calibration at field
- Low cost (BOM<Rs. 10K)
- Measurement time: 40-45 Sec.
- Accuracy: Butterfat $\pm 0.1\%$; Solid nonfat $\pm 0.2\%$; Protein $\pm 0.2\%$; Lactose $\pm 0.2\%$ and water $\pm 5\%$.

Targeted Technology Application Areas:

- Milk collection Centers at villages
- Enforcement agencies

Technology Status:

The technology of has been tested at laboratory and ready for field trials.