



Grown...to meet challenges

30+ years in Process Control Instrumentation

## Elefant - Movement Detector for Level Measurement

Version 2.1

### Principle

Sapcon's **Elefant** continuous monitoring sensor works on the principle of physical movement of a float. A single shaft float is inserted in the DT chamber. This shaft, which has a counter coupling, can be connected to the shaft of the elephant probe. Due to the upward and downward movement of the float, the shaft rotates and the inner variable capacitor changes the value of the capacitance. This change in capacitance can be calculated for the evaluation unit to show the output in form of current.



**Approvals** IP-65 Marking, CE Marking, RoHS Compliance

### Features

- Special solution to De-Oiled Toaster application
- Exclusively for soya industries
- Flameproof enclosure for gas groups IIA and IIB
- High accuracy and stability
- Weatherproof (IP-65)
- Rugged design
- Highly durable and reliable

### Certification

- CIMFR for hazardous Gas Groups IIA and IIB
- Weatherproof IP-65 for evaluation unit
- ISI mark for hazardous area
- ROHS compliance
- CE compliance

### Why Sapcon

- Sapcon – 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.

### Technical Specifications

<b>Evaluation Unit:</b>	Weatherproof panel / wall mounting (safe area); 3 X 1/2" BSP / NPT cable entries
<b>Probe &amp; Mounting:</b>	Flameproof housing for Gas Groups IIA & IIB; Fixed plate mounting with rotary shaft and coupling
<b>Power Supply:</b>	90-265 V AC, 50 Hz; 24 V DC
<b>Outputs:</b>	3 SPDT Relay Output; 4-20mA Current Output; Display: 0-100% Seven segment 2 1/2 digit
<b>Switching Indication:</b>	3 LED's for various relay outputs

### Our Clientele

- **Soya Industries:** Ruchi Group, ITC Kolkata, sonic Biochem, Dewas Soya Ltd., Khaitan Agro, ADM Agro Chemicals, Adani Wilmar, AP Solvex
- **OEMs to Soya Industries:** Desmet Chemfood, Troika Exports, Oilex Ltd., Servotech, Veendeep India

## SAPCON INSTRUMENTS PVT. LTD.

An ISO 22000 company

131 Palshikar Colony, Indore, Madhya Pradesh, PIN - 452004, India

+91-731-4757575 (100 lines) Fax: +91-731-2475475

www.sapconinstruments.com Email: sales@sapcon.in

