

STICK Control System



Teklab's STICK (Safe Tank Indicator Control Kit) is suitable where visual indication and/or control of the level inside a tank/vessel is needed. The unit comprises electro-optic sensors which have bodies made of stainless steel and dome made of glass: having no moving parts the reliability of the control is very high (SAFE). The units are customizable selecting the number of levels and the positions where the levels will be mounted.

Also the kind of control is customizable:

- Sensors with or without LEDs on their back
- Sensors with or without output wire (level switch function)
- Possibility of having a compact and cheap control unit that collect the sensors output and gives the required output type (4-20mA, Serial data over RS-485 or other protocols, etc).

Leds on the back of the level sensors are available for applications where visible info of the level is required (INDICATOR Feature). The output wire is useful for interfacing the unit to external control or give an alarm (eventually with a simple external relay) for low or high level condition (CONTROL Feature). The pipe can be terminated with flanges or welding valves for easy installation.

Technical Data of the Instrument	
OPERATION MODE	Detect liquid presence with contact
REPEATABILITY	± 2 mm
BODY MATERIALS	Steel
SENSIBLE DOME	Glass
ELECTRONIC PROTECTIONS	Transient over voltage, reverse polarity (for DC models), shortcircuit protection.
MAX. TEMPERATURE RANGE	From -40°C up to +125°C
STORAGE TEMPERATURE	From -40°C up to +125°C
SUPPLY VOLTAGE	10 – 28 VDC or 24 VAC ± 10% 50 or 60 Hz
OUTPUT TYPE	AC output or NPN, NPN open collector, PNP for DC model
AC / DC OUTPUT CURRENT	up to 100 mA Max (depending on temperature range)
OUTPUT MODE	Output Normally Open or Closed in the air
DELAY TIMES	Customizables depending on application needs
MAX PERMISSIBLE PRESSURE	45 bar