



LPG SMART system CONTINUOUS CONTROL

TURNKEY AUTOMATIZED SYSTEMS FOR LPG

ADVANTAGES

- Fluid measurements
- Steam measurements
- Fluid density, level, volume and mass
- Steam density, volume and mass
- Tank completion and capacity
- Propane/butane concentration
- Alarms system

APPLICATIONS

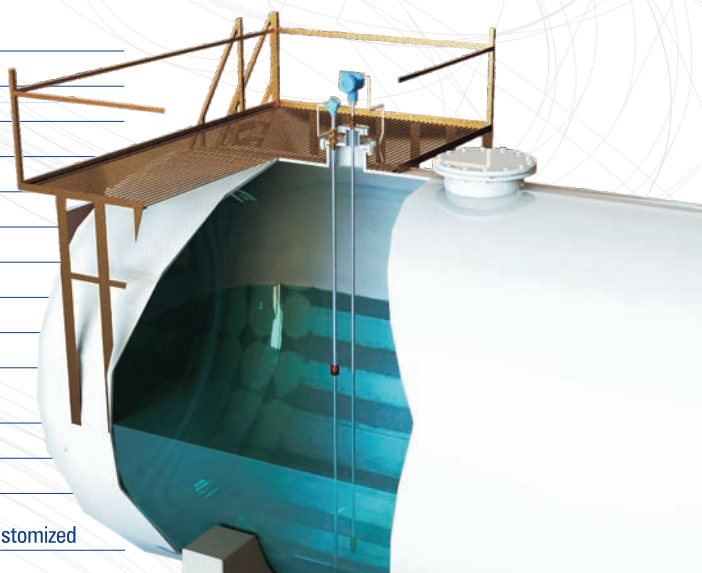
- Terminals
- Filling stations
- Barges
- Tanker trucks
- Underground and aboveground storage tanks
- Refinery

IN PROCESS TO EXCELLENCE

Specifications

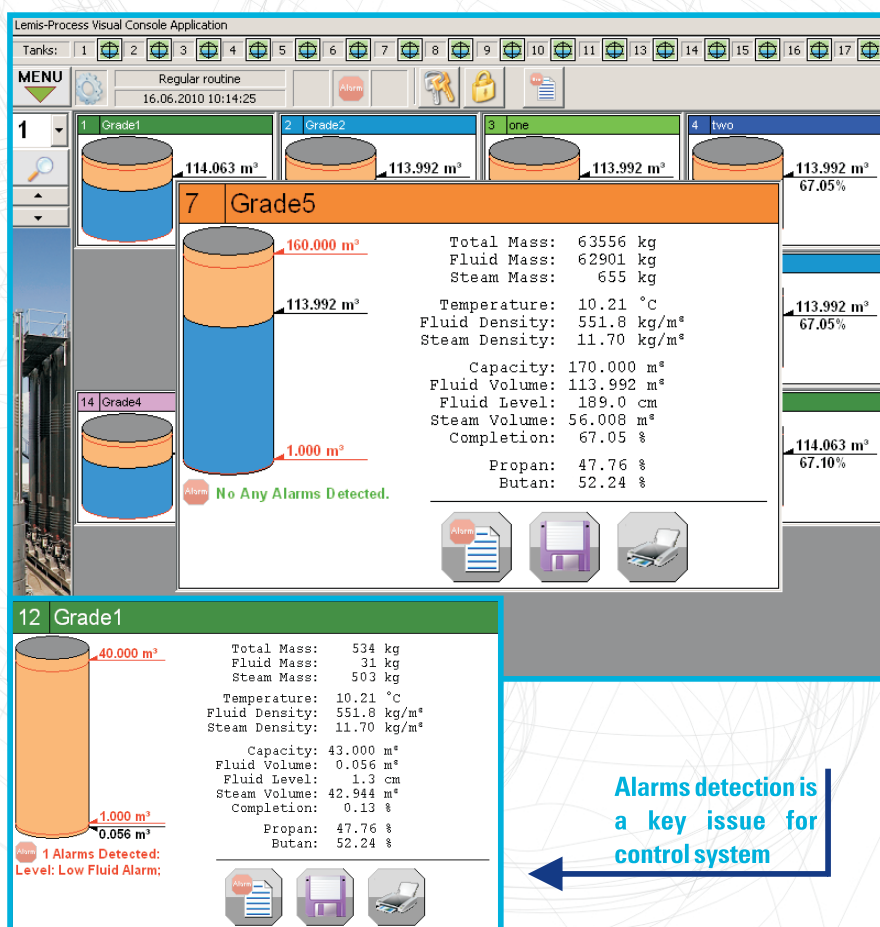
Level Measuring Range, mm	Up to 4000
Level Measuring Accuracy, mm	±1
Level Measuring Resolution, mm	0.3
Density Operating Range, g/cm ³ (kg/m ³)	0.475...0.700 (475...700)
Accuracy, g/cm ³ (kg/m ³)	±0.00025 (±0.25)
Repeatability, g/cm ³ (kg/m ³)	±0.0001 (±0.1)
Process Temperature Range, °C (°F)	-40 to +85 (-40 to +185)
Temperature Accuracy, °C (°F)	±0.1 (±0.2)
Temperature Resolution, °C (°F)	±0.05 (±0.1)
Temperature Measurement	Built-in high accuracy 4-wire PT-1000 DIN 43760 Class A
Ambient Temperature Range, °C (°F)	-40 to +85 (-40 to +185)
Weather Rating	IP68
Analog output	Up to 3 x isolated 4 - 20 mA, direct or reverse-acting, configurable, customized
Digital output	User choice of signals and protocols: RS485; RS232; Modbus; etc...
Quality Assurance	ISO 9001:2008; EN 61326 ; EN50111; EN 50082-2-compliant
Factory Calibration	Calibration certificates supplied as standard
Hazardous area	ATEX II 1/2G Ex ia IIB T4; IEC Ex ia IIB T4 Ga /Gb; CCE certificate

INSTALLATION



ACCESSORIES

PANEL PC (TOUCH SCREEN)



SOFTWARE

- Receiving of level, density and temperature values from Terminal Box via cable
- Calculating of product/steam volume and mass; tank completion
- Calculating of propane/butane concentration
- Calculating of temperature-compensated density values
- Calculating of relative/referred density of product on the base of built-in tables
- ALARM system
- Various formats for data reading
- Storage of the measured and calculated values in the database tables
- Conversation of the database tables to EXCEL format and printing the results
- Up to 16 tanks monitoring (another tanks quantity is optional)

For more information please visit LEMIS process web site!



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