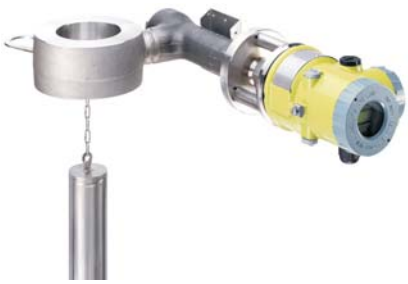
Product Feature Matrix – Level Measurement

invensys Operations Management

The buoyancy transmitters are designed to perform continuous measurements for **liquid level, interface or density of liquids** in the process of all industrial applications.
Even under extreme temperatures, high process pressure and corrosive liquids, the devices measure with consistent reliability and high precision. They are approved for installations in contact with explosive atmospheres, 167LP also for use on sea ships.

Selection Guide

Connection	digital, two-wire	digital, two-wire	pneumatic
Mounting	Sandwich mounted	Flange mounted	Sandwich mounted
Output Signal / dig. Communication	4 to 20 mA / Hart / PB-PA / FF	4-20 mA / Hart	pneumatic 0.2 to1 bar
FDT-DTM with advanced features	Yes	Yes	
Measuring Length	5 cm ...15 m	5 cm ... 3 m	35 cm ... 3 m
Medium, Density (f.Level)	100...2000 kg/m³	100...2000 kg/m³	100...1600 kg/m³
Medium, Temperature	–196 ... +500°C	–50 ... +150°C	–196 ... +400°C
Medium, Pressure	PN 16 ... 500	PN 40	PN 16 ... 250
Flange Size	DN 80, DN 100, ANSI 3", 4"	DN 50, DN 80, ANSI 2", 3"	DN 80, DN 100, ANSI 3", 4"
SIL 2 Certification	Yes	Yes	
Ambient Temperature	–40...+85°C	–40...+85°C	–40...+90°C
optional	+: with heating jacket		+: with heating jacket
Your Solution:	244LD LevelStar	244LVP LevelStar	167LP



For all *LevelStar* devices:

- Local multilingual full graphic LCD, configurable in %, mA or physical units, and messages in clear text

For all digital devices:

- Easy adaptation to the measuring point
- Linear or customized characteristic
- 32 point linearisation for volumetric measurement
- Backdocumentation of measuring point
- Continuous self-diagnostics, Status and diagnostic messages
- Configurable safety value
- Local display in %, mA or physical units
- Micro sintermetal sensor technology

For all devices:

- Materials for use with aggressive media
- Accessories for mounting and operation: Displacer Chamber **204DC**, Displacer **204DE**, Flange combination **204FK** and Cover Flange Kit **204BCF** see 204xx.

FOXBORO ECKARDT