



Increase Revenue and Petrochemical Production with Higher Accuracy and Improved Quality

Downstream Oil and Gas Industry
Distribution and Refinery Tank Farms
Aircraft Refueling



Improve Process Control and Increase Quality: L-Dens 427

Tank farms store, sell and occasionally blend various refinery products based on mass and volume. A more accurate, drop-in process density measurement greatly improves older, less accurate mass-flow meters and turns a common volumetric flow meter into a powerful mass flow system for a fraction of the cost and with a quick and simple installation.

Custody Transfer



Take the guesswork out of product switching. A faster and more accurate inline density meter tightens control of pushed products and delivers true density and API. Simple to automate, it ensures the correct product is transferred and reduces slop tank volume, blending and residence time.

Product Blending

Automated product blending using more accurate inline density meters increases product quality and allows tight financial control of production.

Aircraft Refueling Measurement

As fuel prices rise and remain unstable and the CO₂ emissions tax becomes a reality, highly accurate inline density measurement and simple automation improve custody transfer.



Customer Benefits

- Continuous quality control
- Automate and modernize older systems at low cost
- More accurate fiscal and custody transfer
- Improve inventory control

L-Dens 427 Specifications

Approvals:	ATEX and FM approval
Measuring range:	0 g/cm ³ to 3 g/cm ³
Accuracy:	1 x 10 ⁻⁴ g/cm ³
Temperature:	-40 °C to +125 °C
Pressure:	0 bar to 125 bar

Other Relevant Anton Paar Instruments

Additional process instruments:

- L-Vis 510 Smart Sensor
Inline Viscometer

Laboratory instruments:

- DMA 35 Ex Petrol Hand Held Meter
- DMA 4500 M
- SVM 3000 Viscometer

