

Autonomous Flexicompt +

Portable and Autonomous metering unit for gravity measurement of petroleum products

► Application

Dedicated to the control of tank-trucks petroleum products deliveries.

- Metering for filling station deliveries
- Reception control of trucks and rail cars
- Compartments split delivery
- Returned products measurement
- Likelihood control of delivery



AUTONOMOUS FLEXICOMPT + in use condition

Constitution

Device Autonomous Flexicompt +

- **3" aluminium turbine with metrologic check report**, max flow rate 80 m³/h (1 300 l/mn),
- **Electronic batch controller (intrinsic safety)** with longlife batteries, gas detectors and temperature probe,
- **Standards adapters :**
 - 4" API input
 - 3" Semi symmetric output
 - Other adapters on request



UNI electronic controller



ALMA advantages

- > Low pressure drop
- > No product retention
- > Reduced bulk and light (4,5kg)
- > Multiproducts
- > Ready to use

► ALMA, certified products

ATEX conformity
Zone : 1



ISO 9001 : 2008



Technical specifications

Construction	
Constitution	Aluminium body cast 4" API input, 3" Semi sym. output (others on request)
Filtration	None
Helix	Aluminium
Helix Spindle	Tungsten carbide
Weight	4,5 Kg
Range	
Metered liquids	All refined fuels : Petrol, Diesel Oil, Fuel Oil with viscosity under 13mm ² /s
Accuracy	+/- 0,5%
Repeatability	+/- 0,02%

General use condition	
Floor pressure	Atmospheric pressure
Max pressure	5 bars
Temperature range	From -25°C to 50°C
Pressure drop	0,05 bar @ 40 m ³ /h

Electronic controller specification	
Power supply	Lithium batteries x 2 (4 years lifetime)
Detection	Liquid detectors x 2 Temperature probe
Memory	100 last operations log (readable on display or IRDA data transfer)

Options	
IRDA	InfraRed connection for data transfer via ALMA IR/USB key

Accessories	
Input/Output : Adapters on request	

