

High-Accuracy Metering

Equipments and services dedicated to approved metrological measuring systems for liquids other than water

► Applications

- Pipeline transfer
- Ship & Wagon loading/unloading operations
- Terminal, refinery



MICROCOMPT+ Rack

MICROCOMPT+ EJBA

Constitution

HIGH-ACCURACY METERING (MID)

- Metrological Electronic calculator **MICROCOMPT+**
- Metrological installation file for European (MID) or National (LNE, PTB etc.) approval
- Turnkey solution for installations and instrumented measuring systems:
 - Engineering
 - Study
 - Development
 - Manufacturing
 - Works
 - Commissioning

ALMA advantages

- **Material in conformity with Measuring Instruments Directive 2004/22/EC (MID)**
- Design & realization of adapted solutions to customer needs and environment
- Legal Metrology Specialist for over 30 years
- Global solution, from the preliminary draft stage up to commissioning, including metrological certification
- Compatible with instruments on the market

► ALMA, certified products



ATEX Conformity
Zone 1



ISO 9001 : 2008



European Certifications in accordance with directives concerning measuring instruments and equipments installed in explosive area

► Technical specifications

Display:	Volume or mass
Accuracy Class:	0.3 % or 0.5 % (barge)
Metered Liquids:	Refined liquid, naphta, heavy petrol
Flow:	According to transducer
Pressure:	According to transducer
Temperature:	Rack: From -10 to +40°C EJBA: From -25 to +55°C

► Services

- > Study and Specifications drafting
- > Expertise, analysis
- > Design, realization, project monitoring
- > Commissioning
- > Metrological validation
- > Training

► Main Features

- Bi-directional metering
- Flow, pressure regulation
- Flow, viscosity, temperature, pressure correction
- Conversion to referenced temperature & pressure
- Metering safety
- Sampling management
- Man Machine Interface (MMI)
- Printing, secured data storage, supervision
- Remote maintenance
- Interface with higher level system (management, inventory)
- EJBA Atex (field solution) or non Atex rack (office)

Evaluation Certificate N° LNE-13624 (MID)

Diagram

