

MICROCOMPT +

Electronic calculator-indicator for measurement of refined petroleum products & chemicals

► Basic features

- Volume or mass display
- Signal acquisition of all meter type
- Totalization & memorization of measurement results
- Pre-setting of quantities to be delivered
- Calculations, corrections & conversions (temperature, pressure, density, etc.)
- MMI (Man-Machine Interface): data display, process assistance, etc.
- Pluggable & compatible to many peripheral devices



MICROCOMPT+ on a top loading rack

Constitution

MICROCOMPT+

Tank Loading Racks (truck, ship, railcar)

- Loading - unloading
- Blending
- Electronic sealing of parcel

Roadtankers for oil & gas, or chemicals

- Pumped / gravity metered discharge
- Electronic gauging
- Sealed parcel delivery

Pipelines

- Shipment - reception
- Custody transfert



MICROCOMPT+ for roadtanker



ALMA Advantages

- Material in conformity with Measurement Instruments Directive 2004/22/EC (MID)
- Easy to use
- Global solution with a large range of features & applications
- Adaptability due to its multiple I/O
- In-house R&D and manufacturing

► 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

Construction		Display card		Inputs / Outputs		
Aluminium body cast		LCD screen with:			24V	220V
Oil & gas proof painting		- main line of 6 digits			Type	Type
Weight	12 kg	- auxiliary line of 20 characters		Pulses copy output	2	2
Protection class	IP 66	- 10 pictograms (L, kg, m³/h, °C...)		Volumes copy output	-	3
Temperature range	-20°C to +55°C	Back light		Single metering path input	-	5
CPU Board		Display lasting 2 minutes after an EPS outage		Gas detector input	2	2
Options		Infrared communication with a remote terminal		Temperature input	2	2
Motorola processor		Secured printer		Namur input	2	2
One EPLD		GPS		220V output	-	8
EEPROM 64Ko		CAN-BUS		24V output	-	8
RAM 1Mo		Rack version (19", 4U)		4-20mA input	2	3
Time stamper		Certifications		4-20mA output	-	1
Two metering paths inputs	2	Evaluation Certificate N° LNE-13624 (MID)		Digital input	8	16
Serial links (of which 1 Infrared)	5	ATEX II 2 G		Digital output	24	-
Analog inputs	16			Serial link - RS232	3	-
BUS SPI outputs	10			Serial link - RS485	1	3
BUS SPI inputs	2			Serial link - TTL	-	1

