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

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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



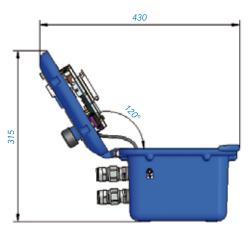
European Certifications in accordance with directives concerning measuring instruments and equipments installed in explosive area

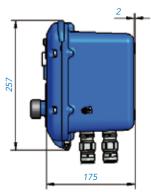
Technical specifications

Construction		
Aluminium body cast		
Oil & gas proof painting		
Weight	12 kg	
Protection class	IP 66	
Temperature range	-20°C to +55°C	
CPU Board		
Motorola processor		
One EPLD		
EEPROM 64Ko		
RAM 1Mo		
Time stamper		
Two metering paths inputs		
Serial links (of which 1 Infrared)		
Analog inputs	16	
BUS SPI outputs	10	
BUS SPI inputs	2	

Display card		
LCD screen with: - main line of 6 digits - auxiliary line of 20 characters - 10 pictograms (L, kg, m³/h, °C)		
Back light		
Display lasting 2 minutes after an EPS outage		
Options		
Infrared communication with a remote terminal		
Secured printer		
GPS		
CAN-BUS		
Rack version (19", 4U)		
Certifications		
Evaluation Certificate N° LNE-13624 (MID) ATEX II 2 G		

Inputs / Outputs				
	24V Type	220V Type		
Pulses copy output	2	2		
Volumes copy output	-	3		
Single metering path input	-	5		
Gas detector input	2	2		
Temperature input	2	2		
Namur input	2	2		
220V output	-	8		
24V output	-	8		
4-20mA input	2	3		
4-20mA output	-	1		
Digital input	8	16		
Digital output	24	-		
Serial link - RS232	3	-		
Serial link - RS485	1	3		
Serial link - TTL	-	1		







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