






TURBOCOMPT

TURBINE METERING UNIT
Certification F-06-C-1010



ALMA is the French leader in manufacturing prefabricated SKIDS for Truck Loading, Metering and Custody Transfer.

- TURBOCOMPT 
- CHARACTERISTICS 
- ACCESSORIES 



TurboCompt 80 or 150 m³/h



Turbine

Designed for loading petroleum products into tank trucks or tank railcars, the Turbocompt is approved by French legal Metrology authority. This is one of the specialties of alma for more than 20 years.

The **TurboCompt** is composed of:

- An Ex-proof electronic operator **MICROCOMPT**.
- A Turbine Meter **ADRIANE**, sizing 3 or 4", Pulse emitter **2H00**
- An automatic loading valve (Brooks, Camflex, ...)



MICROCOMPT

Main Characteristics

- * Turbine meter
- * Great precision and repeatability
 - stability of measurement
 - very short time of answer
 - detects low flow rates
- * Service pressure up to 19 bars
- * Unaffected by pressure surge
- * Easy procedures for operation and calibration
 - Ergonomic design for convenient operation
 - Short measuring unit: 855 mm
 - Compact
 - Loading information is clearly visible from 10 meters
- * May be operated either independently or incorporated into an automated loading system
- * Easy to install :
 - in all loading arm configurations on islands, for top and bottom loading
 - in place of traditional equipment
 - does not require straight pipe sections either upstream or downstream
 - may be mounted horizontally or vertically
- * Allows loading racks to be of smaller design by considerably reducing loading arm horizontal spacing
- * Maintenance is very light, as the measurer has only one moving part.



Technical characteristics:

model	flow m ³ /h	Φ	flange	length	weight
TCA 80 - 80.470	8 - 80	3"	3" PN 20	470 mm	20 Kg
TCA 100-150.490	15 - 150	4"	4" PN 20	490 mm	22 Kg
TCA 100-150.855	15 - 150	4"	4" PN 20	855 mm	30 Kg
TCA 100-200.490	20 - 200	4"	4" PN 20	490 mm	22 Kg



alma Electronic Controller MICROCOMPT:

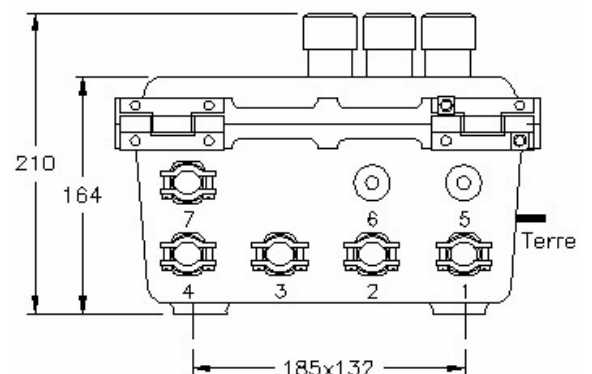
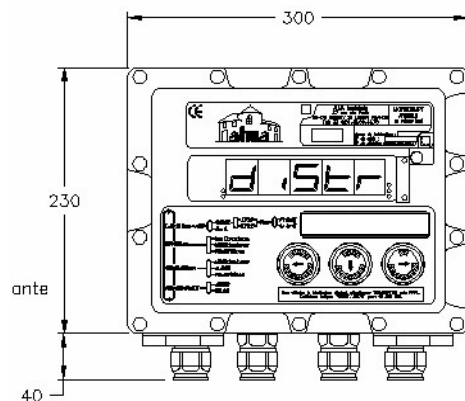
- EXPROOF certified
- Compliance with OIML R. 117 & EMC
- Controls delivery operations, flow regulation, quantity preset, additivation / coloration
- Connection to Cab Printer, Bill of delivery, Bills, Reports
- Allows compartment Sealing, connection to on-board computer
- Bright and large display, robust Push-Buttons, easy-to-use

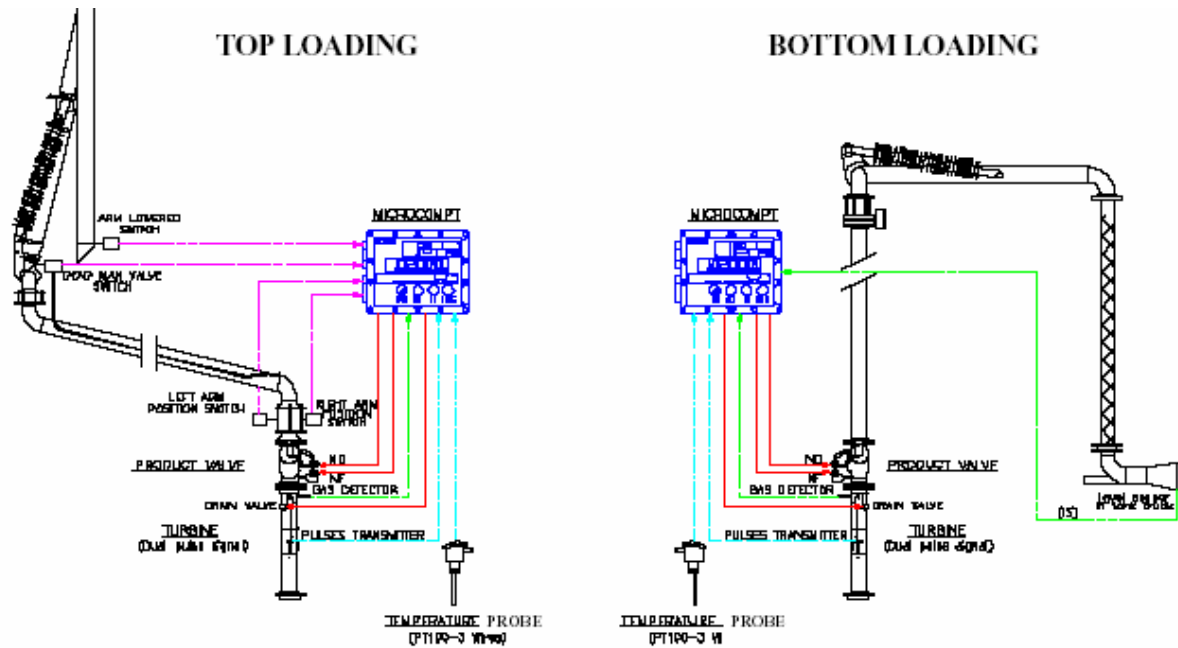
Pulse Emitter 2H00:

- EXPROOF certified
- Supply: 12 VDC, 20 mA.
- Protected against short cuts and polarity inversion
- Outputs: 2 open collectors, max 13.2 Vdc and 30 mA.
- Cable connection: 4 wires shielded, 3 m (longer on request)
- Not affected by "blade or liquid vibrations"
- Static switching: detection of very slow blade motion



MICROCOMPT Overall Dimensions





ACCESSORIES



The Turbocompt can be completed with a ticket printer **IT2**:

- Printing mechanism from Veeder-Root (cumulative or zero-start),
- Optional: Ticket locking control and loading arm / product identifier.
- Approved for hazardous area
- Associated to the Microcompt, the IT2 is approved for commercial transaction.

The **Turbocompt** can be equipped also with alma gas detector **DG3001** (gas/liquid optic detector, approved for hazardous area).

Injection for additivation / coloration

The TurboCompt controls injection of additives, dyes and coloration.

TurboCompt is the best meter for fully automated Truck Loading racks

