

6" ADRIANE TURBINE METER

Turbine meter dedicated to liquid petroleum measurement for terminal & pipeline applications

► Application

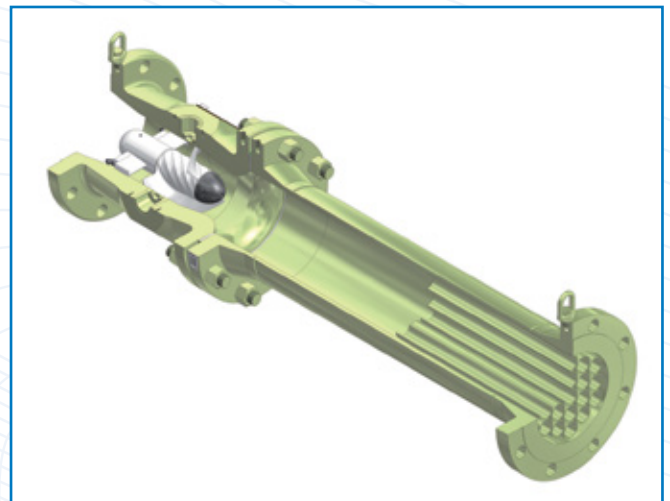
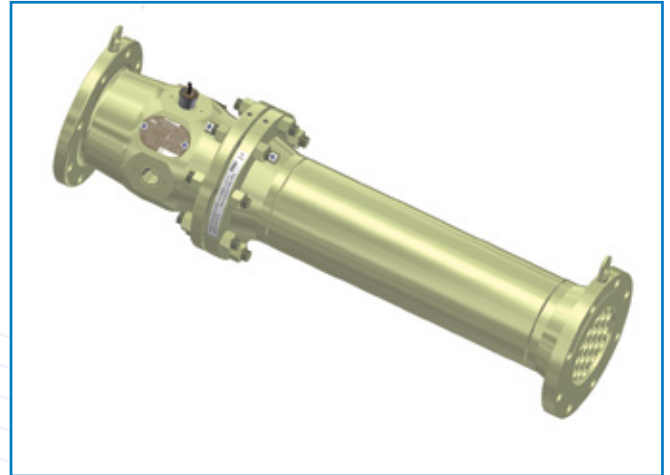
6" ADRIANE Turbine meter covers many petroleum applications such as:

- Skid and pipeline metering
- Truck, barge & rail car loading/off-loading
- Autonomous metering
- Master meter

Constitution

6" ADRIANE TURBINE METER (MID)

- Size: 6"
- Flow rate: 60 to 600 m³/h
- Max pressure: 20 or 100 bar
- Max viscosity: 13 mm²/s
- Weight: 100 kg
- Body: galvanized steel
- Rotor: aluminum or titanium
- Bearing: ceramic or carbon
- Pulse emitter: 2H00 (magnetic field) or **smart 2HPO**
- Flow conditioner external
- Flanges: PN 20 or PN 100
- Different type of seals
- Different lengths
- Features: several pulse emitter spots available (up to 8)



ATEX Certificate: **ATEX II 2 G**

Evaluation Certificate N° **LNE-12393 (MID)**

► ALMA Advantages

- **Material in conformity with Measuring Instruments Directive 2004/22/EC (MID)**
- **Pressure Equipment Directive 97/23/EC (PED)**
- High accuracy, repeatability and long life reliability
- Very low pressure drop for optimum flow rate
- Equipped with a Smart 2HPO pulse emitter
- Efficient Double pulse transmission phase shift
- Both authorized vertical or horizontal installations
- Adaptable design
- Plug & play connection with electronic calculator (Microcompt, UNI etc.)

► 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

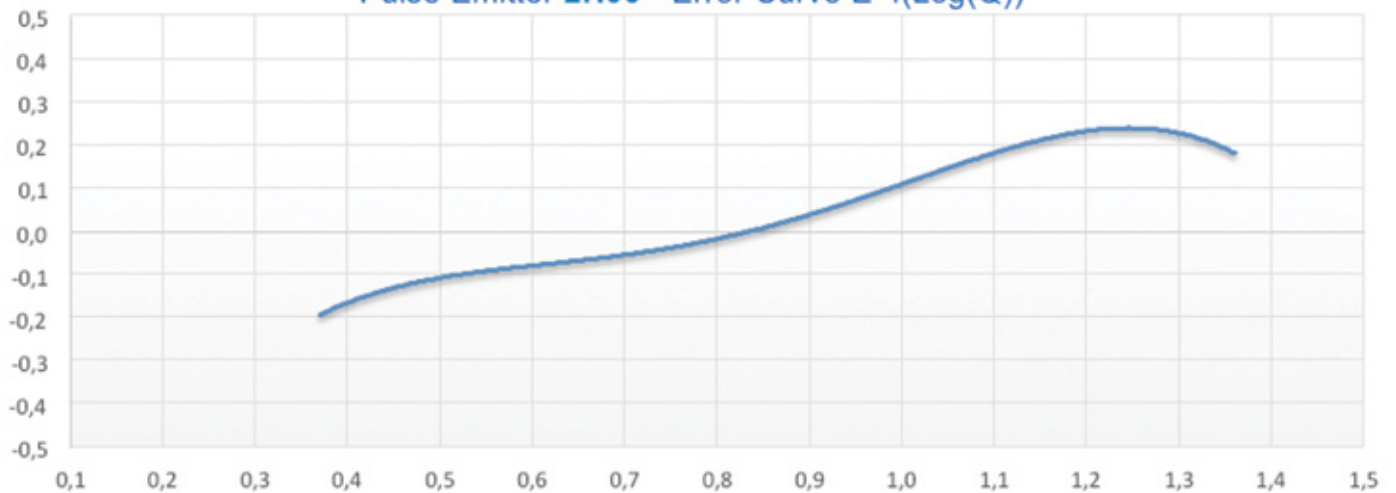


Smart 2HP0 Pulse Emitter:

- Universal (*Electrical interface with calculators*)
- Fully configurable (*K factor*)
- Accuracy optimization (*Error correction according to flow rate*)
- Double pulse transmission phase shift (*Configurable*)

First turbine calibration

Pulse Emitter 2H00 - Error Curve $E=f(\text{Log}(Q))$



Second turbine calibration after parameters entry

Smart 2HP0 transmitter - Error Curve $E=f(\text{Log}(Q))$

