Countum Group

SATAM

Metering Solutions

Large display unit

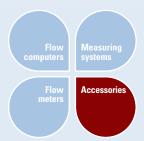


DIR 12

DIR 12 is a large display unit for indication of volume or mass. It is designed for installation on aircraft refuelers, hydrant dispensers and tank truck loading stations.

DIR 12 can be connected directly to flow computer via data bus or via frequency input. It operates as a repeater of flow computer displayed volume.

With its configurable pulses input, DIR 12 can also directly display the the volume or mass measured by a flowmeter. Binary input of DIR 12 will be used for resetting the totalizer at the end of the batch.



Sectors of application

- · Refueling of planes and helicopters
- · Tanker truck and rail car loading and offloading
- Delivery of heating oil to individuals
- Delivery of fuels to service stations
- · Delivery of fuels to worksites, ships, boiler rooms

Key points

Adjustable display

The total volume is displayed in real time with a six digits technology.

The position of decimal point can be adjusted according to customer request.

Maximum operating reliability

DIR 12 is equipped with flame proof housing for installation in explosive area and for a maximum ruggedness

Possibility of flashing display in case of abnormal event.

Plug and Play solution

Direct connection to the flowcomputer without the need for any configuration software.

Model	DIR 12
Description	Large display unit for indication of total volume or total mass calculated by a flow computer or measured by a flowmeter
Display	High visibility red LED technology 6 digits (h: 57mm x w: 32 mm) Decimal point Volume, mass
Equipment Housing	Aluminum base with epoxy coating
Cable entries	2 - 1/2" NPT and 3/4" NPT
Inputs Databus	RS232 / 485 Secured Modbus protocol Full compatibility with Satam - Equalis flow computers
Frequency / pulses	1 kHz max. Open collector or active mode Low level: 0 to +/- 1V, high level: 5V to 36 V
Binary input	Reset of displayed value Open collector or 0 - 36 VDC
Operating Ambient conditions temperature	-20 °C to +55°C
Protection class	IP66
Relative humidity	95% without condensation
Explosive area	ATEX II 2 G Ex db IIB + H2 T5 Ex TR CU* (Russia) only with ZC17 meter
Power supply	9 to 36 VDC - 6W
Dimensions and weight	Height x width x depth: 170 mm x 380 mm x 140 mm
Weight	5 kg

* : In preparation



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