



# LFD-6

## Large Figure Display

Data sheet: *DS/EL/0003/EN Ed. 01-2018*

The LFD-6 remote display unit has been designed mainly for use on hydrant dispensers and aviation refuellers in airports.

This application requires that the measured volume be reproduced and can be easily read within the working area.

However, the LFD-6 can be used in any application where the operator is working at a distance from the meter counter and an easily readable display is required. Such applications include not only the top loading of tank trucks and rail cars but also barges and ships loading.

Display brightness is granted by automatic, self-adjusting LED lighting thus ensuring very high readability in all lighting conditions.

### Usage

The displayed value is obtained from factorised pulses representing the minimum measuring unit (e.g. if the display is in litres, then 1 pulse = 1 litre).

The peculiarity of LFD-6 is to be suitable for use in explosive areas and harsh environments. ATEX-IECEx conformity and IP66 protection rating. (Ex-d protection).



### Installation on hydrant dispenser



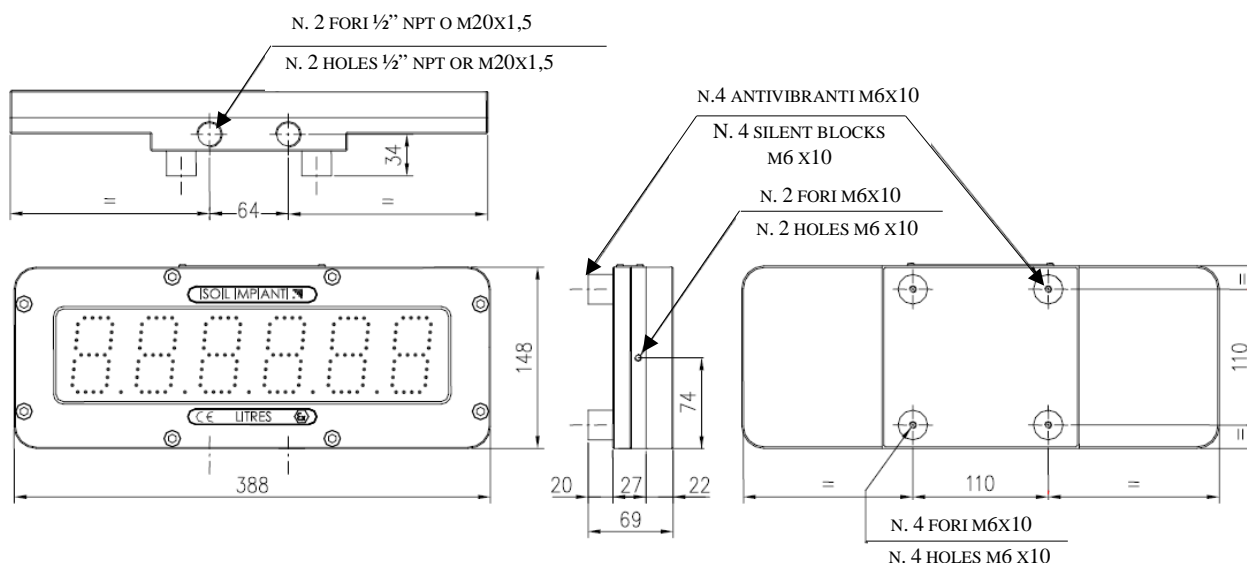
### Installation in terminals



From a metrological point of view, the main meter and the counter are the only official metering reference. Therefore, the LFD-6 is nothing but a mere display of the main instrument measurement.

## Dimensions

Dimensions in mm.



## Technical data

### Environmental features

Working temperature:	-25 ÷ +55 °C
Storage temperature:	-25 ÷ +55 °C
Humidity:	5 ÷ 95% without condensation

### Construction

Housing:	anodised aluminium alloy
Display:	6 red colour LED digits and decimal point
Brightness:	self-adjusting according to environmental conditions
Measuring unit:	customised
Cable entrances:	N°2 1/2" NPT
Terminal blocks:	wire Ø1,5mm <sup>2</sup> max
Weight:	5 kg
Mounting:	4 holes M6 x 10 on the back for wall mounting; 2 side holes M6 x 10 for bracket mounting. Equipped with silent block supports.

### Electrical characteristics

Power supply:	10-30 Vdc
Consumption:	10 W max
Counting input:	from NPN/PNP open collector transistor or square wave 5÷15 Vdc – 5 kHz max
Reset input:	from NPN/PNP open collector transistor or square wave 5÷15 Vdc
Serial communication:	one RS232 or RS485 settable line communication protocol compatible with ISOIL VEGAI, VEGA T and VEGA 3
Ex Protection ATEX-IECEx:	II 2 G Ex db IIB T6 Gb
Mechanical protection:	IP66