



# TE550 Electronic Register (Terminal Version) Specifications Sheet

The TE550 Electronic Register is the latest state of the art, fully programmable electronic register capable to drive any meter giving a pulse signal, either for direct or remote mounting, especially designed for both terminal and truck.

TE550 is a freely programmable, flexible, powerful and intelligent loading system, designed to match the requirements of loading systems in petroleum, chemical and petrochemical industry.

TE550 is designed to comply with international metrology approvals, especially with the OIML R117 standards, European ATEX Ex-d [ia] IIB T4 approval for hazardous areas and Measuring Instruments Directive (MID).

TE550 includes all the flow measurements and controls functions expected in the most advanced loading systems.



## ***LKI specifications***

<b>Graphic display</b>	LCD 240x128 px with backlighting by a white LED matrix
<b>Visible area</b>	112x62 mm (5")
<b>Keyboard</b>	16 keys in fireproof polyester
<b>Power delivery</b>	12 Vdc intrinsically safe barrier
<b>Power consumption</b>	< 1W
<b>Degree of protection</b>	IP66
<b>ATEX certification</b>	EEX ia IIB T4
<b>Operating temperature</b>	-25°C to 55°C (-13°F to 131°F)
<b>Communication</b>	RS485
<b>Baud rate</b>	From 38400 to 57600
<b>Dimensions</b>	L. 222,30 mm (8.75 in), W. 200,86 mm (7.91 in), P. 190,50 mm (7.50 in)
<b>Weight</b>	3 kg (6.61 lbs)
<b>Material</b>	Aluminium alloy

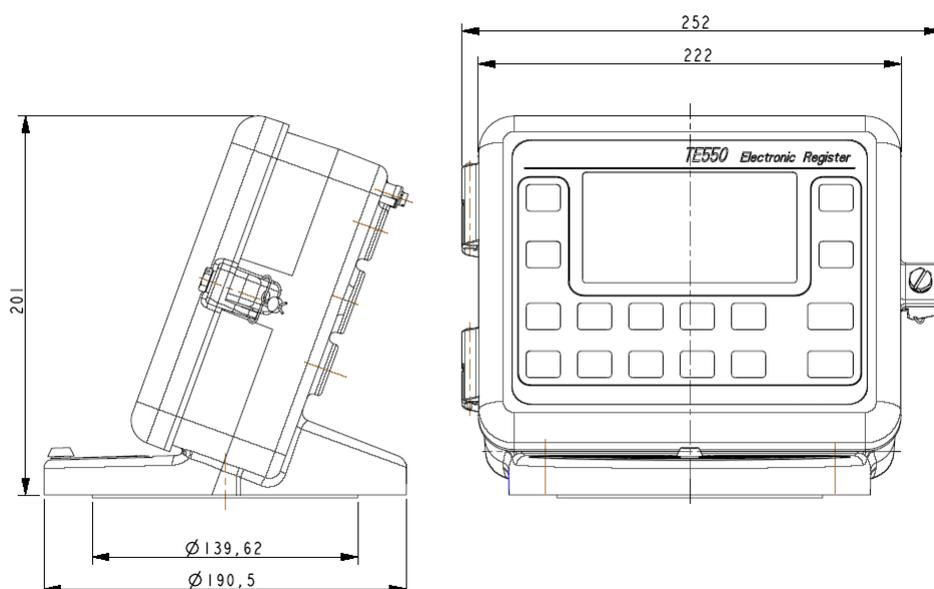
## ***Other features***

- Accurate flow measurement including pulses verification
- Ten point calibration feature for near perfect accuracy across entire flow range with all kind of PD or gravity meters
- Temperature and pressure volume compensation
- Volume correction to API tables for the most of the petroleum products and to Metric and US standards
- Digital valve control
- In remote mounting it is able to simultaneously control loading operation on up to 4 arms, displaying totals, flow rates, preset values and operator messages
- It is able to communicate with remote computers and printers

## EEXD specifications

	BASE	EXPANDABLE
<b>Power delivery</b>	110V or 220V ac +10%-15%, 50/60 Hz or 24Vdc ±10%	
<b>Power consumption</b>	15W	20W
<b>Degree of protection</b>	IP66 (with silicone grease on flat joints)	
<b>ATEX certification</b>	EEXd [ia] IIB T4	
<b>Operating temperature</b>	-20°C to 55°C (-4°F to 131°F)	
<b>Storage temperature</b>	-40°C to 85°C (-40°F to 185°F)	
<b>Communication</b>	CPU board COM1, COM2	CPU board COM1, COM2 I/O board COM3, COM4
<b>Ports</b>	RS232, RS422, RS485	
<b>Baud rate</b>	9600 to 57600	
<b>Dimensions</b>	L. 375 mm (14.76 in), W. 270 mm (10.63 in), P. 192 mm (7.56 in)	L. 452 mm (17.80 in), W. 342 (13.46 in), P. 198 mm (7.80)
<b>Weight</b>	10 kg (22.05 lbs)	15 kg (33.07 lbs)
<b>Material</b>	Aluminium alloy	

## Dimensions



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