



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

Graphic display	LCD 240x128 px with backlighting by a white LED matrix
Visible area	112x62 mm (5")
Keyboard	16 keys in fireproof polyester
Power delivery	12 Vdc intrinsically safe barrier
Power consumption	< 1W
Degree of protection	IP66
ATEX certification	EEX ia IIB T4
Operating temperature	-25°C to 55°C (-13°F to 131°F)
Communication	RS485
Baud rate	From 38400 to 57600
Dimensions	L. 222,30 mm (8.75 in), W. 200,86 mm (7.91 in), P. 190,50 mm (7.50 in)
Weight	3 kg (6.61 lbs)
Material	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
Power delivery	110V or 220V ac +10%-15%, 50/60 Hz or 24Vdc ±10%	
Power consumption	15W	20W
Degree of protection	IP66 (with silicone grease on flat joints)	
ATEX certification	EEXd [ia] IIB T4	
Operating temperature	-20°C to 55°C (-4°F to 131°F)	
Storage temperature	-40°C to 85°C (-40°F to 185°F)	
Communication	CPU board COM1, COM2	CPU board COM1, COM2 I/O board COM3, COM4
Ports	RS232, RS422, RS485	
Baud rate	9600 to 57600	
Dimensions	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)
Weight	10 kg (22.05 lbs)	15 kg (33.07 lbs)
Material	Aluminium alloy	

Dimensions

