

- DISPENSER CALIBRATION & ANNUAL INSPECTIONS
- TEMPERATURE COMPENSATION MODIFICATIONS FOR PETROL DIESEL AND LPG
- UK DISTRIBUTOR FOR E.MEURS & COMAPRO PRODUCTS
- BREAKDOWN MAINTENANCE PROVIDER
- QUALITY ABOVE & BELOW GROUND LPG INSTALLATIONS
- BESPOKE FORECOURT INSTALLATIONS
- PIPEWORK DESIGN & INSTALLATION
- VESSEL TESTING
- CRANED TANK SITING & DELIVERY



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Meurs Mastermeter for LPG liquid calibration

Meurs LPG Mastermeters are precision made , compact , efficient and simple to use systems for calibration of commercial LPG dispensers. Their innovative technology makes accurate calibration of LPG dispensers a simple step-by-step process.

The innovative DTVC (Density Temperature Volume Compensation) option makes even temperature compensated LPG dispensers easily checked with a small amount of basic training.

Calibration of an LPG dispenser would normally involve independently configured pieces of measuring apparatus, a detailed knowledge of all the intricacies of measurement, many complex calculations and a lot of time. Not only was the setup of all the individual pieces required, but the individual approach introduces many possible levels at which errors or mistakes can be introduced

The simplicity of operation of the Meurs Mastermeter goes a long way to eliminate these problems .

The Meurs Mastermeter is rugged, yet compact , simple to operate, yet highly accurate and reliable for flow rates between the range Qmin 5L/min and Qmax 60 L/min

It is an ideal Calibration Tool for the LPG service and maintenance engineer as well as Trading Standards Officers and anyone else with a requirement to test & calibrate LPG dispensers.



**E TECHNISCH INGENIEURSBUREAU
MEURS B.V.**

Monitor		Channel: R: USB Receiver (serial DIP956FE), ch. B		Volume scaling 100.000000 pulses/liter		Reception: OK	
Device Info		Measurements		Calculations			
Model: 80-A6-C6-68-88-00-00-C5		Temperature (Calk): 22.1		Propane (%): 95.5			
Firmware: v2.06		DTVC Pressure (bar): 10.80		Butane (%): 4.5			
		Vapour pressure (bar): 8.47		Conversion factor: 0.901			
Status: All OK		Total counters		Tap 1 (liters)		Tap 2 (liters)	
Vapour pressure bypass: BYP		Uncompensated volume: 1685		0		0	
Calibration mem: Counter mem		+ Positive compensation: 0		0		0	
Temp. Press: 0.59		- Negative compensation: 1676		0		0	
FFP error		Compensated volume: 1676		0		0	
Overflow error		Last 16 counters		Tap 1 (liters)		Tap 2 (liters)	
		Uncompensated volume: 42.16		0.00		0.00	
		+ Positive compensation: 0.00		0.00		0.00	
		- Negative compensation: 0.59		0.00		0.00	
		Compensated volume: 41.57		0.00		0.00	
		0.0 l/min (approx.)		0.0 l/min (approx.)		0.0 l/min (approx.)	



**E TECHNISCH INGENIEURSBUREAU
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Meurs Mastermeter for Liquid LPG

Based in Lochem Holland, E Meurs B.V. have for many years been producing LPG and CNG dispensers which are sold worldwide. They are well renowned for their development of innovative products in relation to LPG measurement, control and delivery systems. These include modifications to OEM products such as solenoid valves, and LPG pumps to enhance operation and performance, Development of Temperature compensation system to be retrofitted to existing LPG dispensers, Design and manufacture of complex control panels for all types of LPG installations

The Meurs Mastermeter provides a wide range of features and benefits:

- Streamlined, accurate hydraulics
- Small footprint. Measuring 550(l) x 400(w) x 450(h) mm
- Fits easily into a standard service vehicle .or can be adapted for trolley mounting
- Supplied with 3.5m hose and Divisser nozzle
- Compact yet rugged design
- Has Dutch NMI and OIML approvals
- Simple to set up
- Simple to use
- Single switch solenoid operation for Qmax and Qmin
- Calibrated by Dutch NMI on Liquid LPG
- Easily purged when finished for transportation



Bespoke design & Calibration Service

We are able to customise our products to suit your needs. We can adapt the features on the Mastermeter to produce the product that's right for you.

Some options are :

- The Mastermeter may be supplied with or without Temperature compensation (For existing units or units supplied without DTVC we can also retrofit at a later date)
- Manual operated valves for Qmax & Qmin
- Universal fittings for external Pressure and Temp measurement
- Nozzle type to suit application
- Breakaway coupling inline with hose / nozzle assy
- Bespoke pipework to fit vehicle for fixed installations
- Bespoke trailer / transport systems with total system



requirements including purging equipment & storage facilities

We also offer a Mastermeter Calibration Service with certification by Dutch NMI from their mobile calibration unit to ensure that you keep your Mastermeter to the required standard



UK Distributors for



Temperature compensation and Monitor Program

For Mastermeters that have DTVC Temperature Compensation System fitted, Meurs have developed a computer program to allow the user to monitor the operation of the DTVC from their laptop or computer

It consists of an IR transmitter/ receiver which connects to a PC via USB link

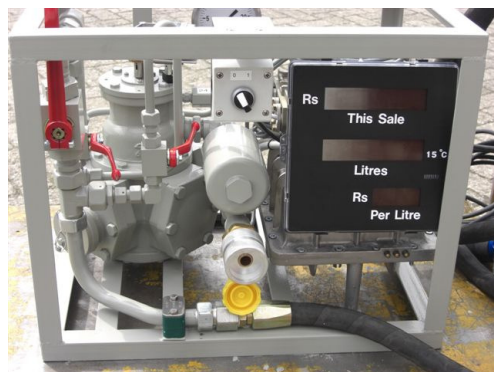
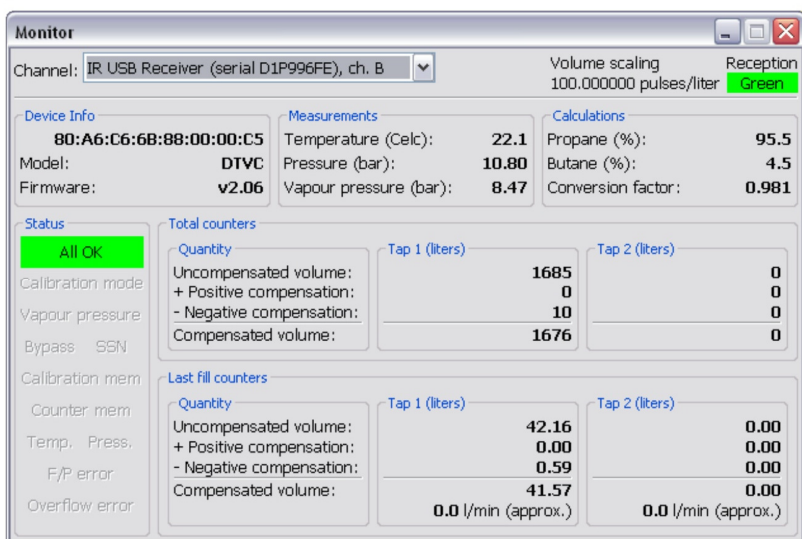


The screen then shows the user the readings taken by the DTVC for temperature and pressure. These are real time measurements, The density and compressibility of the LPG are calculated thus allowing the system to accurately display the butane propane mix ratio, although UK LPG for autogas is virtually 100% propane.

DTVC errors are monitored and reported

Both compensated and uncompensated volume totals as well as running totals of positive and negative compensation are stored in the monitor program

The last sale is also displayed showing uncompensated volume, applied compensation positive and negative as well as the compensated volume

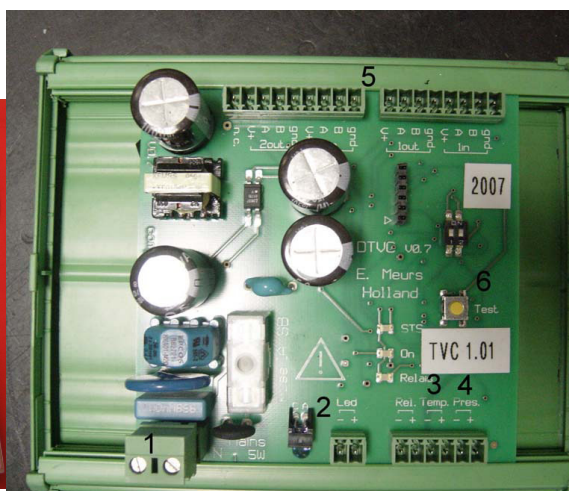


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