

REFUELING MADE EASY

Smart refueling made easy.

With fuel terminals and dispensing

systems from TECALEMIT.

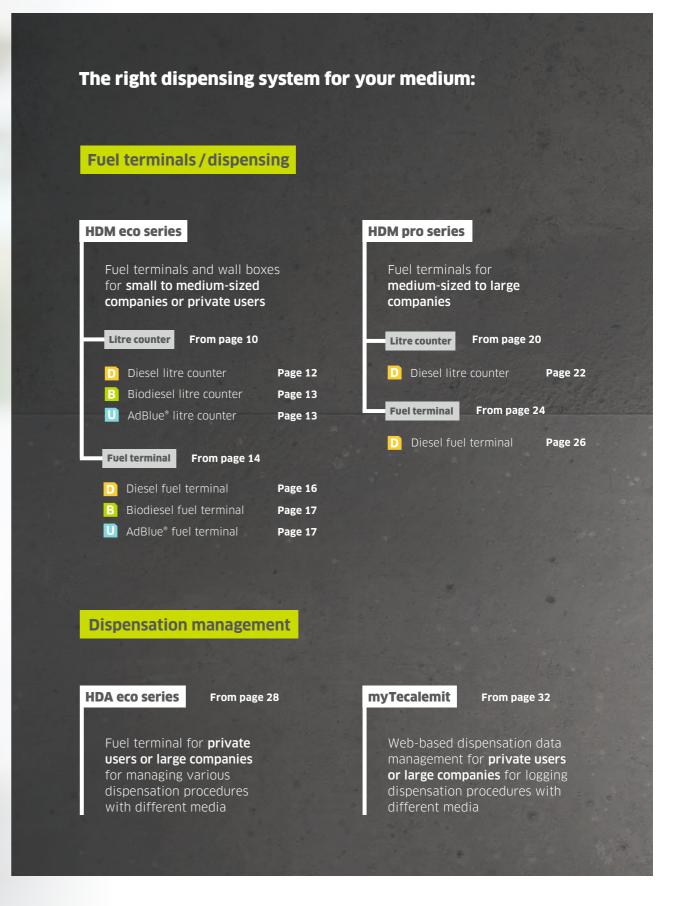






HDM pro





Signs of the times

The development of our dispensation systems!

A long time has passed since our first fuel dispenser in 1968 ...

With the T7 generation, HORN launched the production of the first self-service fuel dispenser in 1968, at the time still under the HORN brand. The dispensers had a delivery rate ranging from 25 -50 l/min. and were offered in legally calibratable/ non-legally calibratable versions.

With the expansion of the in-house development department and the growing demand for high-performance self-service dispensers, HORN developed the DieselMaster in 1998. It was a low-cost diesel dispenser with integrated fuel terminal that immediately became a great success on the market. In the years that followed, the DieselMaster was continuously improved and constantly adapted to market requirements.

In 2006/2007, it became apparent that the computer technology used would no longer meet market requirements in the foreseeable future. Furthermore, cost pressure from the major dispenser manufacturers and other competitors was increasing. The HDM 4 (HORN DieselMaster) was a robust and reliable product, but its price had strayed too far away from the original idea of a low-cost private consumer diesel dispenser.

In 2011, the starting signal was given for the development of a new family of fuel dispensers and automatic fuel terminals, thus giving birth to the success story that is the HDM eco. The new diesel dispenser with an integrated fuel terminal was attractively priced and offered a more comprehensive range of features, particularly when it came to a data connection to the back office.

Encouraged by the success of the HDM eco, a family of high-performance dispensers – the HDM pro - and a new generation of fuel terminals were developed over the years that followed. The functions offered by the dispensing systems were continuously expanded, such that dispensing systems bearing the TECALEMIT brand are now being used worldwide under a diverse range of operating conditions. All Made in Germany, both back then and today.



Dispensing systems

Our versatile Jack of (almost) all trades

Whether ready-to-use as a plug and play system or custom-designed according to customer specifications - TECALEMIT products always provide intelligent dispensation solutions.





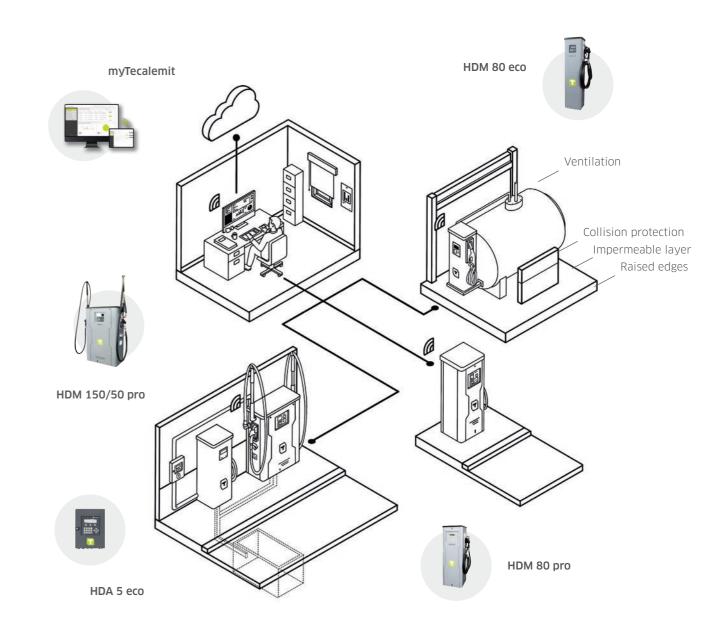




Gas stations

Vehicle fleets

Construction



www.tecalemit.de/en



HDM eco/HDM pro

The choice is yours

The extensive product portfolio of the HDM eco and HDM pro series allows our customers to find just the right system for their diesel filling station.

Choices range from simple systems with a liter counter all the way up to systems with cloud/webbased dispensation data management to monitor consumption.

Numerous accessory options as well as a legal calibration option round off the features on offer. Feel free to browse our offerings - We would be glad to help with any questions!







	HDM eco	HDM pro
Housing	Steel, powder-coated	Stainless steel, powder-coated
Media	Diesel/heating oil EL/L, AdBlue, biodiesel	Diesel/heating oil EL/L
Dispensing hose	Standard NBR hose DN 19 or 25	High-end pressure hose DN 19 or 25
Delivery pump	Vane pump HORNET or TecPump	TECALEMIT gear pump block
Measuring unit/counter	Oval wheel counter/FMOG	Four-piston measuring element
Delivery rate	Up to 100 I/min.	Up to 140 l/min.
Commercial use	No (no legal calibration possible)	Yes (optional legal calibration possible)
Models	Litre counter	Litre counter
	Fuel management system	• Fuel management system (legally callibratable)
Ideal for	 Small to medium-sized fleets with a consumption of up to 200.000 I diesel per year Classic installation situation with aboveground storage tanks Quick return on investment 	 Medium-sized to large fleets Difficult installation situations, e.g. long suction lines Integration of AdBlue delivery via section dispensation point
Special features	 Best price/performance ratio Only 230 V connection necessary Low space requirements Modular upgrades Best-selling diesel fuel terminal for in-house gas stations worldwide 	 Professional fuel terminal Particularly long-lived and low-maintenance Can be outfitted with hose mast Modular upgrades Also available in versions for high- or low-volume dispensations

Quality & responsibility

Acting responsibly

Diesel and oils can pollute the environment if handled improperly - which is why these media should be conveyed using products that are robust, durable and absolutely reliable, e.g. to avoid possible leaks. By doing so, we play a small but important part in protecting our environment.

Taking responsibility and acting sustainably means choosing good, robust materials for your product, developing a product that is easy to repair, and in general ensuring a long product cycle.

The dispensing system must be absolutely reliable in operation and must not leak any environmentally harmful media. This is exactly the kind of dispensing system we build at TECALEMIT.

Our dispensing system have a longer life cycle than those of our competitors – above all because the quality of their components, assemblies, and materials are our top priority.

To ensure consistently high product quality and environmental protection, our production site is certified in accordance with the requirements of the quality management standard DIN EN ISO 9001 and as a specialist company in accordance with the Water Resources Act (WHG).

And if a repair should ever be necessary: Our service department can help with spare parts or repair. This avoids unnecessary waste and ensures continued use for many years.





HDM eco series

Litre counter

When the focus is on the actual delivery rate, the HDM eco litre counter is the best choice.







In its basic function as a simple litre counter, the HDM eco is suitable for fleet and in-house filling stations with a low annual diesel consumption.

The powerful vane pump installed in a slim and modern column design offers a delivery rate of up to 100 l/min. depending on the variant.



Illuminated LCD display with litre indicator

Incl. automatic dispensing nozzle

High-performance vane pump

Powder-coated sheet steel housing

Leak monitoring

Drip tray



The basic variant of our HDM eco series in proven TECALEMIT quality!



Nozzle

High-quality automatic dispensing nozzle with swivel joint.



Vane pump

Vane pump protected in housing with a delivery rate of up to 100 l/min.



Oval wheel counter

Built-in oval wheel counter with an accuracy of +/- 0,5% allows for precise dispensations.

Our introductory model







The HDM eco series offers various models for individual requirements!

Are you a farmer and wish to refuel easily and conveniently? Or do you manage a vehicle fleet with an annual diesel consumption of less than 200.000 litres?

The HDM eco series is versatile and offers you solutions in the non-commercial sector for your particular needs and refueling requirements.

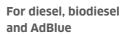
Do you require a second dispensing point for your pump? Or do you have a high diesel consumption per year and/or would like more detailed dispensation data evaluation and management? If so, be sure to take a closer look at our HDM pro series!

And for all those who wish to take it one step further with data management, we offer our cloud solution "myTecalemit", a platform which allows you to use your data in a smart and cost-optimized fashion. More information on this is available on the following pages.









D DIESEL LITRE COUNTER

	D	D	D
	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL
	HDM 60 eco LZ	HDM 80 eco LZ	HDM 100 eco LZ
Pump capacity	Max. 55 l/min.	Max. 75 I/min.	Max. 100 l/min.
Suction port	1" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Pulse valence	100 pul./l	100 pul./l	100 pul./l
Power supply	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 410 x 1410 x 275	approx. 410 x 1410 x 275	approx. 410 x 1410 x 275
Weight	approx. 45 kg	approx. 55 kg	approx. 55 kg
Item number	110 700 865	110 700 885	110 701 085



	D	D	D
	WALL BOX	WALL BOX	WALL BOX
	HDM 60 eco Box LZ	HDM 80 eco Box LZ	HDM 100 eco Box LZ
Pump capacity	Max. 55 l/min.	Max. 75 l/min.	Max. 100 l/min.
Suction port	1" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Pulse valence	100 pul./l	100 pul./l	100 pul./l
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V/50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 550 x 470 x 340	approx. 550 x 470 x 340	approx. 550 x 470 x 340
Weight	approx. 26 kg	approx. 35 kg	approx. 35 kg
Item number	110 700 965	110 700 985	110 701 185



B BIODIESEL LITRE COUNTER U ADBLUE LITRE COUNTER

	В	В	В	U
	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL
	HDM 60 eco LZ BIO	HDM 80 eco LZ BIO	HDM 100 eco LZ BIO	HDM eco AdBlue LZ
Pump capacity	Max. 55 I/min.	Max. 75 I/min.	Max. 100 l/min.	Max. 40 l/min.
Suction port	1" IG	1¼" IG	1¼" IG	1" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32	Min. DN 25
Maximum suction head	3,5 m	3,5 m	2,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25	4 m - DN 19
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided	Two-sided
Pulse valence	100 pul./l	100 pul./l	100 pul./l	100 pul./l
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V/50 Hz	230 V / 50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C	-7°C to +40°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-7°C to +40°C
Dimensions (mm), W x H x D	approx. 410 x 1410 x 275			
Weight	approx. 45 kg	approx. 55 kg	approx. 55 kg	approx. 44 kg
Item number	110 700 876	110 700 887	110 702 085	110 700 905



	В	В	В
	WALL BOX	WALL BOX	WALL BOX
	HDM 60 eco Box LZ BIO	HDM 80 eco Box LZ BIO	HDM 100 eco Box LZ BIO
Pump capacity	Max. 55 l/min.	Max. 75 l/min.	Max. 100 l/min.
Suction port	1" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Pulse valence	100 pul./l	100 pul./l	100 pul./l
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 550 x 470 x 340	approx. 550 x 470 x 340	approx. 550 x 470 x 340
Weight	approx. 26 kg	approx. 35 kg	approx. 35 kg
Item number	110 700 976	110 700 986	110 702 185

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HDM eco series

Fuel terminal

The HDM eco with integrated HDA fuel terminal - monitoring your dispensation data has never been so easy and reliable.







The HDM eco dispenser with HDA fuel terminal - ideal for managers of small and medium-sized commercial filling stations who want to monitor their diesel consumption completely and userfriendly.

You can register up to 4.000 drivers or/and vehicles with the device. With the free, browserbased basic module of the myTecalemit cloud solution (more information from p. 32 onwards) that is included in the scope of delivery, you can easily track and manage your dispensation data from anywhere and at any time.

BENEFITS

Integrated HDA eco fuel terminal For up to 4.000 drivers/vehicles, incl. USB interface and transponder reader unit

incl. automatic nozzle

High-performance vane pump

Powder-coated sheet steel housing

Leak monitoring

Drip tray





The most versatile version of our HDM eco series in well-proven TECALEMIT quality!



HDA fuel terminal

For 4.000 drivers or vehicles with transponder reader unit.



Nozzle

High-quality automatic dispensing nozzle with swivel joint.



Vane pump

Vane pump protected in housing with a delivery rate of up to 100 l/min.



Oval wheel counter

Built-in oval wheel counter with an accuracy of +/- 0.5% allows for precise dispensations.

Straightforward functions







The HDM eco series offers various models for individual requirements!

Are you a farmer and wish to refuel easily and conveniently? Or do you manage a vehicle fleet with an annual diesel consumption of less than 200.000 litres?

The HDM eco series is versatile and offers you solutions in the non-commercial sector for your particular needs and refueling requirements.

Need a more powerful pump? Your diesel turnover is more than 200,000 I per year? You want to include an existing pump (e. g. for AdBlue) to your fluid management? Then check our HDM pro series and find out more!

And for all those who wish to take it one step further with data management, we offer our cloud solution "myTecalemit", a platform which allows you to use your data in a smart and cost-optimized fashion. More information on this is available on the following pages.

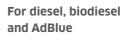












D DIESEL FUEL TERMINAL

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	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL	DOUBLE FUEL TERMINAL
	HDM 60 eco	HDM 80 eco	HDM 100 eco	HDM 100/60 eco
Pump capacity	Max. 55 l/min.	Max. 75 I/min.	Max. 100 l/min.	Max. 100/55 I/min.
Suction port	1" IG	1¼" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25	4 m - DN 25/DN 32
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck	Automatic, Car/Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided	Two-sided
Power supply	230 V / 50 Hz	230 V/50 Hz	230 V / 50 Hz	230 V / 50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 410 x 1410 x 275	approx. 410 x 1410 x 275	approx. 410 x 1410 x 275	approx. 557 x 1426 x 445
Weight	approx. 45 kg	approx. 55 kg	approx. 55 kg	approx. 90 kg
Item number	110 700 860	110 700 880	110 701 000	110 704 100

D



	WALL BOX	WALL BOX	WALL BOX
	HDM 60 eco Box	HDM 80 eco Box	HDM 100 eco Box
Pump capacity	Max. 55 l/min.	Max. 75 l/min.	Max. 100 l/min.
Suction port	1" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 550 x 470 x 340	approx. 550 x 470 x 340	approx. 550 x 470 x 340
Weight	approx. 26 kg	approx. 35 kg	approx. 35 kg
Item number	110 700 960	110 700 980	110 701 100

D



B BIODIESEL FUEL TERMINAL U ADBLUE FUEL TERMINAL

	В	В	В	U
	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL
	HDM 60 eco BIO	HDM 80 eco BIO	HDM 100 eco BIO	HDM eco AdBlue
Pump capacity	max. 55 I/min.	max. 75 l/min.	max. 100 l/min.	Max. 40 l/min.
Suction port	1" IG	1¼" IG	1¼" IG	1" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32	Min. DN 25
Maximum suction head	3,5 m	3,5 m	2,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25	4 m - DN 19
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided	Two-sided
Power supply	230 V / 50 Hz			
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C	-7°C to +40°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-7°C to +40°C
Dimensions (mm), W x H x D	approx. 410 x 1410 x 275			
Weight	approx. 45 kg	approx. 55 kg	approx. 55 kg	approx. 44 kg
tem number	110 700 875	110 700 895	110 702 000	110 700 900



(<u>1</u>)	В	В	В
	WALL BOX	WALL BOX	WALL BOX
	HDM 60 eco Box BIO	HDM 80 eco Box BIO	HDM 100 eco Box BIO
Pump capacity	Max. 55 I/min.	Max. 75 l/min.	Max. 100 l/min.
Suction port	1" IG	1¼" IG	1¼" IG
Suction line	Min. DN 25	Min. DN 32	Min. DN 32
Maximum suction head	3,5 m	3,5 m	2,5 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 550 x 470 x 340	approx. 550 x 470 x 340	approx. 550 x 470 x 340
Weight	approx. 26 kg	approx. 35 kg	approx. 35 kg
Item number	110 700 975	110 700 995	110 702 105

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Accessories

Data interfaces	Item no.
LAN connection	233 400 032
WiFi connection	233 400 035
GPRS connection incl. SIM card	233 400 048
LTE connection incl. SIM card	233 400 024

User identification	Item no.
RFID transponder, 1 ea.	233 400 200
RFID transponder, 10 ea.	233 400 200
RFID transponder, 20 ea.	233 400 200
RFID transponder card	233 400 202
USB reader station (transponder)	233 400 081

Mechanical accessories	Item no.
Angled non-return valve 1" (AG**)	233 400 181
Angled non-return valve 1¼" (AG**)	233 400 182
Return line installation kit	233 400 195
Angled non-return valve 1" (UG**)	233 400 187
Angled non-return valve 11/4" (UG**)	233 400 188
Float switch	233 400 165
Fine filter incl. 1" bracket	233 400 180
Slanted seat filter 1¼" ***	233 400 186
ZVA Slimline nozzle surcharge	233 400 300
Base plate (HDM eco)	233 400 373
Suction hose (HDM 60 eco Box)	234 338 003
Suction hose (HDM 80 eco Box)	234 348 001

Interested in knowing more about our accessories for dispensation systems?

You will find a selection of accessories and other items on www.tecalemit.de under Product overview > Dispensing Stations > Accessories for Dispensing Stations



Dispensing hoses*	Item no.
6 m instead of 4 m, DN 19	233 400 406
8 m instead of 4 m, DN 19	233 400 408
6 m instead of 4 m, DN 25	233 400 506
8 m instead of 4 m, DN 25	233 400 508

Fill level measurement	Item no.
Probe connection at factory	233 400 160
Fill level probe, 200 mbar	224 010 010
Fill level probe, 300 mbar	224 020 010
Fill level probe, 500 mbar	224 050 010
Assembly set, 1" for probes	224 070 000
Terminal box with filter	224 061 000

myTecalemit	Item no.
"Reporting & Service" module	227 000 100
"Fill level" module	227 000 200
"Full-Service-Package"	227 000 300
Pre-configuration (50 drivers)	227 702 050
Pre-configuration (100 drivers)	227 702 100
Pre-configuration (500 drivers)	227 702 500
2h support Teamviewer	227 702 800
Software commissioning and	227 702 900
on-site briefing daily rate	

Please note: Subsequent technical modifications to the device itself will incur a fee of 99,63 €.

Is my accessory compatible with my selected

In our overview list, you can use the item number of the accessory to find out whether your selected HDM eco product is compatible with that accessory.



TECALEMIT THE FLOW We would be glad to assist with projects both large and small, and offer solutions for your constantly changing dispensation requirements and need. We are here for you!

*Dispensation hoses for biodiesel upon request **AG = aboveground, UG = underground *** Only for HDM 80 eco Box/HDM 100 eco Box

HDM pro series

Litre counter

When the focus is on the actual delivery rate, the HDM pro litre counter is the best choice.



In its basic function as a simple litre counter, the HDM pro is suitable for fleet and in-house filling stations with a high annual diesel consumption (200.000 litres or more). It is also used e.g. in difficult installation situations such as those requiring long suction lines.

The high-quality gear pump block with 4-piston measuring element (installed in a compact yet slim column design) offers a delivery rate of up to 140 I/min, depending on the variant.



Works with diesel eco fuels

(GTL, HVO, R33)

BENEFITS

Illuminated LCD display with litre indicator

High delivery rate of up to 140 l/min.

Incl. automatic nozzle

High-quality gear pump block with 4-piston measuring element

Powder-coated stainless steel housing

Leak monitoring

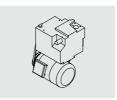
Drip tray





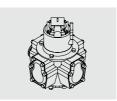
Nozzle

High-quality automatic dispensing nozzle with swivel joint.



Gear pump block

Robust pump protected in a housing with a delivery rate of up to 140 l/min.



4-piston measuring element

Built-in measuring element with an accuracy of +/- 0,5% allows for precise dispensations.

The fuel terminal with extras







Power and performance for all sectors pros dispense with the HDM pro series!

Do you manage a medium to large fleet of vehicles in agriculture, the construction industry, or in bus and freight forwarding with an annual diesel consumption of more than 200.000 litres? Do you not only consume fuel yourself, but also allow customers or business partners to refuel?

The HDM pro series is flexible and offers you solutions for your specific dispensation needs and requirements. The optional legal calibration capability and the ability to connect a second dispensing point give the pro series devices greater flexibility in terms of application and configuration.

And for all those who wish to take it one step further with data management, we offer our cloud solution "myTecalemit", a platform which allows you to use your data in a smart and cost-optimized fashion. More information on this is available on the following pages.





For diesel

D DIESEL LITRE COUNTER



	D	D	D
	FUEL TERMINAL HDM 50 pro LZ	FUEL TERMINAL HDM 80 pro LZ	FUEL TERMINAL HDM 150 pro LZ
Pump capacity	Max. 50 l/min.	Max. 80 l/min.	Max. 140 l/min.
Suction port	Oval flange DN 40	Oval flange DN 40	Oval flange DN 50
Suction line	Min. DN 32	Min. DN 50	Min. DN 50
Maximum suction head	4 m	4 m	4 m
Pressure hose	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided
Pulse valence	100 pul./l	100 pul./l	100 pul./l
Power supply	3/N/PE AC 50 Hz 400 V	3/N/PE AC 50 Hz 400 V	3/N/PE AC 50 Hz 400 V
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C
Dimensions (mm), W x H x D	approx. 557 x 1425 x 433	approx. 557 x 1425 x 433	approx. 947 x 1425 x 433
Weight	approx. 128 kg	approx. 128 kg	approx. 230 kg
Item number	110 600 340	110 600 440	110 600 540



	DOUBLE FUEL TERMINAL
	HDM 150/050 pro LZ
Pump capacity	Max. 140/50 l/min.
Suction port	Oval flange DN 50
Suction line	Min. DN 50
Maximum suction head	4 m
Pressure hose	4 m - DN 19/DN 25
Nozzle	Automatic, Car/Truck
Swivel hose joint	Two-sided
Pulse valence	100 pul./l
Power supply	3/N/PE AC 50 Hz 400 V
Accuracy	+- 0,5%
Temperature of medium	-10°C to +35°C
Ambient temperature	-25°C to +55°C
Dimensions (mm), W x H x D	approx. 947 x 1425 x 433
Weight	approx. 237 kg
Item number	110 600 640



HDM pro series

Fuel terminal

The HDM pro with integrated fuel terminal is for medium or large companies that want to refuel intelligently and with foresight.



The HDM pro with HDA fuel dispenser is the smartest and most convenient solution for companies. Not a drop of diesel is lost - the integrated fuel dispenser makes sure of that.

You can register up to 4.000 drivers or/and vehicles with the device. With the free, browserbased basic module of the myTecalemit cloud solution (more information from p. 32 onwards) that is included in the scope of delivery, you can easily track and manage your dispensation data from anywhere and at any time.

BENEFITS

Integrated HDA eco fuel terminal for up to 4.000 drivers/vehicles, incl. USB interface and transponder reader unit

High delivery rate of up to 140 l/min.

Incl. automatic nozzle

High-quality gear pump block with 4-piston measuring element

Powder-coated stainless steel housing

Leak monitoring

Drip tray





The best of top-notch workmanship and functionality - the HDM pro series has everything you require!



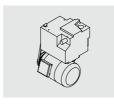
HDA fuel terminal

For 4.000 drivers or vehicles with transponder reader unit.



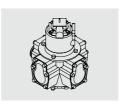
Nozzle

High-quality automatic dispensing nozzle with swivel joint.



Gear pump block

Robust pump protected in a housing with a delivery rate of up to 140 l/min.



4-piston measuring element

Built-in measuring element with an accuracy of +/- 0,5% allows for precise dispensations.

The fuel terminal for professionals







Power and performance for all sectors pros dispense with the HDM pro series!

Do you manage a medium to large fleet of vehicles in agriculture, the construction industry, or in bus and freight forwarding with an annual diesel consumption of more than 200,000 liters? Do you not only consume fuel yourself, but also allow customers or business partners to refuel?

The HDM pro series is flexible and offers you solutions for your specific dispensation needs and requirements. The optional legal calibration capability and the ability to connect a second dispensing point give the pro series devices greater flexibility in terms of application and configuration.

And for all those who wish to take it one step further with data management, we offer our cloud solution "myTecalemit", a platform which allows you to use your data in a smart and costoptimized fashion. More information on this is available on the following pages.







D DIESEL FUEL TERMINAL



1	D	D	D	D
	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL
	HDM 050 pro	HDM 050 pro e	HDM 080 pro	HDM 080 pro e
Pump capacity	Max. 50 l/min.	Max. 50 l/min.	Max. 80 I/min.	Max. 80 I/min.
Legally calibratable	No	Yes	No	Yes
Suction port	Oval flange DN 40			
Suction line	Min. DN 32	Min. DN 32	Min. DN 50	Min. DN 50
Maximum suction head	4 m	4 m	4 m	4 m
Pressure hose	4 m - DN 19	4 m - DN 19	4 m - DN 25	4 m - DN 25
Nozzle	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Car/Truck	Automatic, Car/Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided	Two-sided
Power supply	3/N/PE AC 50 Hz 400 V			
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C
Dimensions (mm), W x H x D	approx. 557 x 1425 x 433			
Weight	approx. 128 kg	approx. 128 kg	approx. 128 kg	approx. 128 kg
Item number	110 600 350	110 600 330	110 600 450	110 600 430



	<u>,</u>	D	D	D
	FUEL TERMINAL	FUEL TERMINAL	DOUBLE FUEL TERMINAL	DOUBLE FUEL TERMINAL
	HDM 150 pro	HDM 150 pro e	HDM 150/050 pro	HDM 150/050 pro e
Pump capacity	Max. 140 l/min.	Max. 140 l/min.	Max. 140/50 l/min.	Max. 140/50 l/min.
Legally calibratable	No	Yes	No	Yes
Suction port	Oval flange DN 50	Oval flange DN 50	Oval flange DN 50	Oval flange DN 50
Suction line	Min. DN 50	Min. DN 50	Min. DN 50	Min. DN 50
Maximum suction head	4 m	4 m	4 m	4 m
Pressure hose	4 m - DN 25	4 m - DN 25	4 m - DN 19/DN 25	4 m - DN 19/DN 25
Nozzle	Automatic, Truck	Automatic, Truck	Automatic, Car/Truck	Automatic, Car/Truck
Swivel hose joint	Two-sided	Two-sided	Two-sided	Two-sided
Power supply	3/N/PE AC 50 Hz 400 V	3/N/PE AC 50 Hz 400 V	3/N/PE AC 50 Hz 400 V	3/N/PE AC 50 Hz 400 V
Accuracy	+- 0,5%	+- 0,5%	+- 0,5%	+- 0,5%
Temperature of medium	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C	-10°C to +35°C
Ambient temperature	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C	-25°C to +55°C
Dimensions (mm), W x H x D	approx. 947 x 1425 x 433	approx. 947 x 1425 x 433	approx. 947 x 1425 x 433	approx. 947 x 1425 x 433
Weight	approx. 230 kg	approx. 230 kg	approx. 230 kg	approx. 230 kg
Item number	110 600 550	110 600 530	110 600 650	110 600 630

Data interfaces	Item no.
LAN connection	233 400 031
WiFi connection	233 400 035
GPRS connection incl. SIM card	233 400 047
LTE connection incl. SIM card	233 400 023

User identification	Item no.
RFID transponder, 1 ea.	233 400 200
RFID transponder, 10 ea.	233 400 200
RFID transponder, 20 ea.	233 400 200
RFID transponder card	233 400 202
USB reader station (transponder)	233 400 081
Surcharge - Mifare HDM pro ne	233 400 058
Surcharge - Mifare HDM pro e	233 400 059

Mechanical accessories	Item no.
Angled non-return valve 11/4" (AG**)	233 400 182
Angled non-return valve 2" (AG**)	233 400 184
Angled non-return valve 1¼" (UG**)	233 400 188
Float switch	233 400 165
Hose mast for HDM pro	233 400 325
Return line adapter (abv.)	816 898 013
ZVA Slimline nozzle surcharge	233 400 300
Base plate, width 550	233 400 370
Base plate, width 850	233 400 371

Dispensing hoses	Item no.
6 m instead of 4 m, DN 19	233 400 406
8 m instead of 4 m, DN 19	233 400 408
6 m instead of 4 m, DN 25	233 400 506
8 m instead of 4 m, DN 25	233 400 508

Fill level measurement	Item no.
Probe connection at factory	233 400 450
Fill level probe, 200 mbar	224 010 010
Fill level probe, 300 mbar	224 020 010
Fill level probe, 500 mbar	224 050 010
Assembly set, 1" for probes	224 070 000
Terminal box with filter	224 061 000

myTecalemit	Item no.
"Reporting & Service" module	227 000 100
"Fill level" module	227 000 200
"Full-Service-Package"	227 000 300
Pre-configuration (50 drivers)	227 702 050
Pre-configuration (100 drivers)	227 702 100
Pre-configuration (500 drivers)	227 702 500
2h support, Teamviewer	227 702 800
Software commissioning and	227 702 900
on-site briefing, daily rate	

Please note: Subsequent technical modifications to the device itself will incur a fee of 99,63 €.

Interested in knowing more about our accessories for dispensation systems?

You will find a selection of accessories and other items on www.tecalemit.de under Product overview > Dispensing Stations > Accessories for Dispensing Stations



Is my accessory compatible with my selected HDM pro?

In our overview list, you can use the item number of the accessory to find out whether your selected HDM pro product is compatible with that accessory.



HDA eco series

Fuel terminal

Our HDA eco series logs and manages a wide variety of media – even with third-party equipment!

The HDA eco and HDA 5 eco fuel terminals have been designed to monitor and record the dispensation of e.g. diesel, heating oil, AdBlue® biodiesel, radiator antifreeze, chemicals, and many other media.

The HDA eco automatic dispensers are the allrounders for any company or vehicle fleet filling station. Up to 5 dispensing points can be administered (HDA 5 eco).

It does not matter whether you are upgrading existing pump systems, filling stations or even fuel terminals. Simply log in at the terminal with the transponder or the card, select the dispensing point and, if necessary, preselect the desired litre quantity - and you're ready to fill up!

Identification and delivery data are stored locally and if the cloud connection fails, the HDA eco continues to work independently until the connection is restored.

The scope of delivery includes the base module myTecalemit and a standard USB connection for straightforward and transparent data transfer. Dispensation receipts will become a thing of the past!









•	FUEL TERMINAL	FUEL TERMINAL	FUEL TERMINAL
	HDA eco	HDA eco Kit	HDA eco 12 / 24 V Auto.
No. of dispensation points	1	1	1
Supply voltage	230 V/50 Hz	230 V / 50 Hz	12 / 24 V DC**
Protection type	IP 54	IP 54	IP 54
Incl. pulse generator kit	No	Yes, FMOG 100*	No
Incl. transponder	No	Yes, 10 ea.	No
USB interface	Yes	Yes	Yes
Floating relay output	Yes NEW	Yes NEW	No
Ambient temperature	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 300 x 300 x 120	approx. 300 x 300 x 120	approx. 300 x 300 x 120
Weight	approx. 5,4 kg	approx. 6,8 kg	approx. 5,4 kg
Item number	110 500 700	110 500 710	110 500 999

*For diesel and radiator antifreeze **With automatic switching



•	FUEL TERMINAL
	HDA 5 eco
No. of dispensation points	5
Supply voltage	230 V / 50 Hz
Protection type	IP 54
Incl. pulse generator kit	No
Incl. transponder	No
USB interface	Yes
Floating relay output	Yes
Ambient temperature	-20°C to +55°C
Dimensions (mm), W x H x D	approx. 300 x 400 x 150
Weight	approx. 10 kg
Item number	110 500 800





BENEFITS

Seamless logging

Intuitive menu navigation

Robust and space-saving

Transparency and control





Accessories

User identification	Item no.	
RFID transponder, 1 ea.	233 400 200	
RFID transponder, 10 ea.	233 400 200	
RFID transponder, 20 ea.	233 400 200	
RFID transponder card	233 400 202	
USB reader station (transponder)	233 400 081	

Data interfaces	Item no.
LAN connection HDA eco	233 400 032
LAN connection HDA 5 eco	233 400 033
WiFi connection HDA eco	233 400 035
WiFi connection HDA 5 eco	233 400 036
GPRS connection HDA eco*	233 400 048
GPRS connection HDA 5 eco*	233 400 049
LTE connection HDA eco*	233 400 024
LTE connection HDA 5 eco*	233 400 026

myTecalemit	Item no.
"Reporting & Service" module	227 000 100
"Fill level" module	227 000 200
"Full-Service-Package"	227 000 300
Pre-configuration (50 drivers)	227 702 050
Pre-configuration (100 drivers)	227 702 100
Pre-configuration (500 drivers)	227 702 500
2h support, Teamviewer	227 702 800
Software commissioning and on-site briefing, daily rate	227 702 900

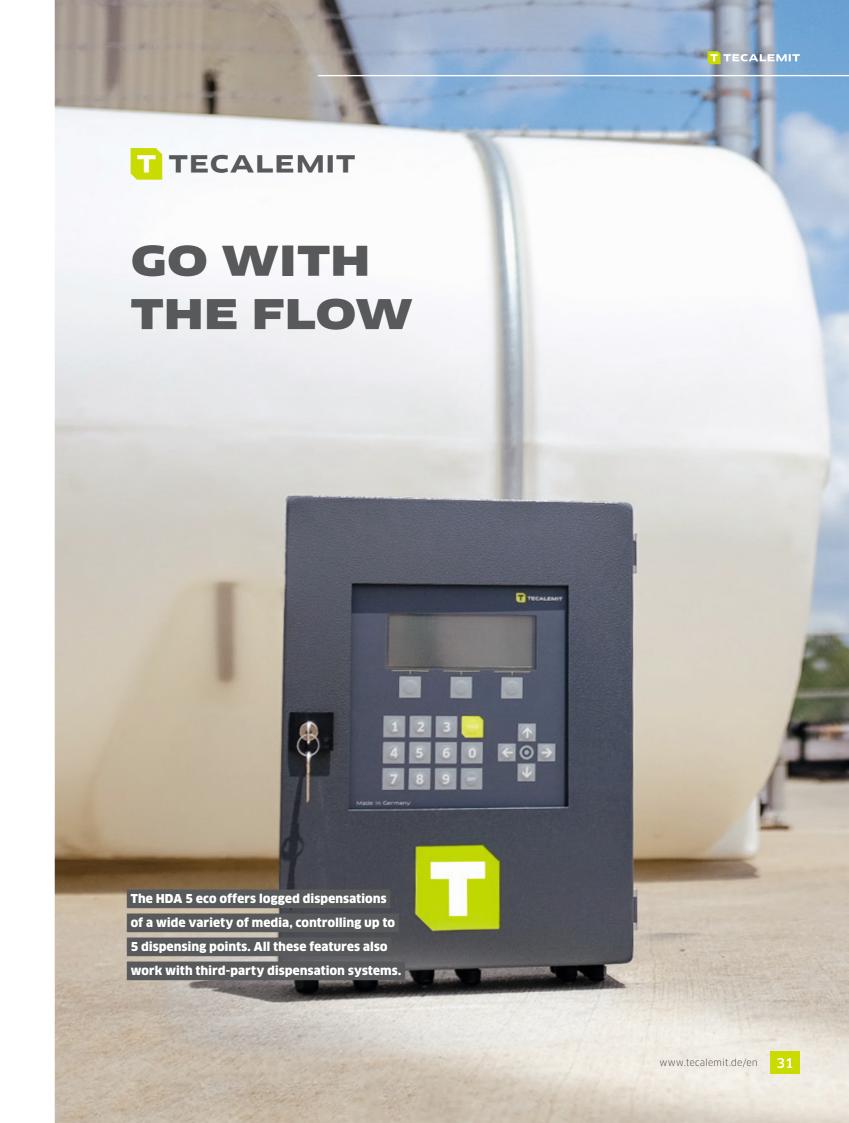
Pulse generator	Item no.
Pulse generator set FMOG 100	027 176 605
Pulse generator set FMOG 150	027 177 605
Pulse generator FMOG PEEK	253 400 040
FMT 3 with pulse output	253 591 099
Relay set for control	233 400 700

Fill level measurement	Item no.
Probe connection at factory	233 400 160
Fill level probe, 200 mbar	224 010 010
Fill level probe, 300 mbar	224 020 010
Fill level probe, 500 mbar	224 050 010
Assembly set, 1" for probes	224 070 000
Terminal box with filter	224 061 000

Interested in knowing more about our accessories for dispensation systems?

You will find a selection of accessories and other items on www.tecalemit.de under Product overview > Dispensing Stations > Accessories for Dispensing Stations







myTecalemit

Cloud-based dispensation data management

Use selected products with myTecalemit - get the most out of your dispensation systems!

We network products, devices, people, and companies – in a manner that is smart, cost-effective, time-saving, and flexible. Optimize the workflow and increase the productivity of your company.

The Full-service-Package from myTecalemit offers everything you require for the optimal management of your dispensation systems: Seamless recording and logging of all dispensation procedures and tank levels as well as graphical processing. alarm messages, and service notifications.

You can easily check the tank contents or view the total diesel consumption for the same month in the previous year. And if you wish, you can automatically have a new tankload ordered from your trusted diesel supplier.

All this is possible - with the Full-service-Package from myTecalemit!





BENEFITS

Intuitive user interface

Can be used independently of any particular device or operating system

Work effectively from a home office

Everything at a glance with myTecalemit!

Our Full-Service-Package

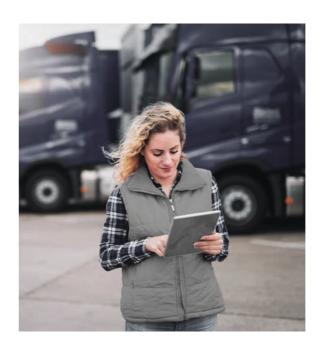
"Feel free to call me and I'll advise you on the possible uses of myTecalemit in your company - together we'll find the suitable module for you!"



Ingo Fischer Product Manager

+49 461 8696-123

ingo.fischer@tecalemit.de



Full-Service-Package

Item no.

227 000 300

With myTecalemit, you have all the data at a glance - for all locations and from anywhere in the world. Using a browser of your choice, you can access the platform from any system or device allowing you to work effectively and reliably from home.

The benefits:

• All data at a glance

- Cloud access from the office or when on the road
- Information can be viewed concurrently, allowing it to be used at any location
- Provision of updated data 24/7

• Secure and reliable

- Data security thanks to encryption
- Automatic backups on the myTecalemit server (located in Germany)

Extremely user-friendly

- Operating interface with clear design
- Individual configuration of relevant information on the dashboard
- Intuitive user interface

• Flexibility from the cloud

- Up-to-date data thanks to regular updates
- Available anytime, anywhere: at the office, on trucks, or in a home office

• Use it with any device or operating system

- The web interface allows the device and operating system to be chosen freely
- No installation of apps
- Use of terminal servers possible
- Work effectively from a home office
- Data viewing in predefined user roles
- Further processing via export function as CSV data etc.



myTecalemit

Modules

The Full-Service-Package includes the free base module, the reporting module and the fill level module.

The reporting module provides you with e.g. various evaluations of a wide range of parameters (mileage, consumption per vehicle, total quantities, etc.). In addition, the fill level module helps to determine the fill level and sends you notifications when threshold values are reached. It also offers the option of integrating and evaluating third-party customer tanks upon request (fill level module requires use of measuring element - e.g. TecSonic).

Provision via link to .csv file for further external processing

Billing takes place as part of a subscription procedure and will be charged once per year/per device (HDA) at the beginning of the year. In the first year, billing will take place pro rata temporis upon activation in the respective calendar quarter. All modules can also be purchased individually.

Full-Service-Package —

General	Base module	Reporting module	Fill level module
Product management and adding of various users	✓	✓	✓
Adding of fuel terminals and dispensation points	✓	✓	
Adding of Level Controllers (-4) and/or TecSonic			✓
Dispensation data			
Communication via USB flash drive and/or network	✓	✓	✓
Automatic synchronization	✓	✓	✓
Management of authorizations, master data and dispensation options	✓	✓	
Display of dispensation procedures in predefined list views on dashboard	✓	✓	
Evaluation of individual dispensations by delivery point, product, period	✓	✓	
Display of predefined statistics on dashboard		✓	
Evaluation by groups, cost centers, consumption per vehicle		✓	
Evaluation of delivery quantities by products/period		✓	
Evaluation of mileage, product relation, total quantities		✓	
Evaluation of mileage/operating hours		✓	
Input of external dispensations		✓	
Predefined vehicle report (evaluation) in PDF format		✓	
Quota management for product quantity per unit time		✓	
Fill level			
Calculated and sensor-determined fill level			✓
Display of tank/fill level incl. colored threshold value display			✓
Range estimation taking into account seasonal influences			✓
Creation, management and notification of threshold values			✓
Integration of suppliers as users or via supplier login			✓
Special supplier menu			
Graphical tank overview of own and assigned customer tanks			✓
Customer tank overview, tabular incl. customer management			✓
Customer access to own assigned tanks			✓
External data provision			
Automatic evaluation dispatch via e-mail (.pdf/.csv file)		✓	✓

Seminars & workshops

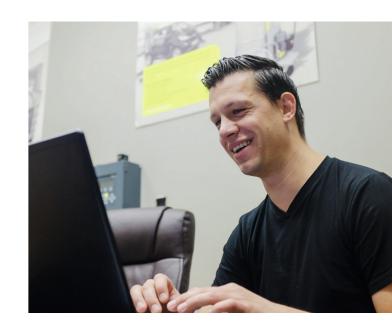
Tailored to you and your employees – in-house or online

We offer workshops and seminars for our dispensation systems - feel free to contact us!

How do you set up the fuel terminal? How does myTecalemit work and what functions does the system offer? How do you operate a HDA 5 eco fuel terminal? These and many more questions are answered in our company seminars!

Familiarize yourself with selected TECALEMIT products - We make it easy in our company seminars!

These courses offer you a comprehensive overview of the respective range of topics. You will acquire well-founded background knowledge in combination with practical exercises.



BENEFITS

Questions are answered immediately

Team learns together

Use all features of the product

Prevents incorrect operation of the devices

Practical exercises directly on device

Background info on product

Register with:



Finn-Birger Petersen After Sales Service

+49 461 8696-115

finn-birger.petersen@tecalemit.de

Our service partners on site

Our selected service partners help you on site with difficult installations. Just ask us and we will work with you to find your competent TECALEMIT dealer.



Ready to start package

Ready to go with myTecalemit

Our ready to go package helps you get started using myTecalemit with your fuel terminal right away.

It's entirely up to you: Solely factory pre-configuration or assistance myTecalmit commissioning? Or simply both at once?

Sometimes it's good to have help. And even better, to be able to independently specify the amount of assistance you require. That's exactly what we offer you:

Put together your own custom ready to start package. Select your pre-configuration, and if desired also a myTecalemit commissioning – for any fuel terminal from our catalog: HDM eco, HDM pro or HDA eco.

Our pre-configuration and myTecalemit commissioning will be performed by trained in-house specialist personnel, thereby allowing us to cater to your queries and requests.

BENEFITS

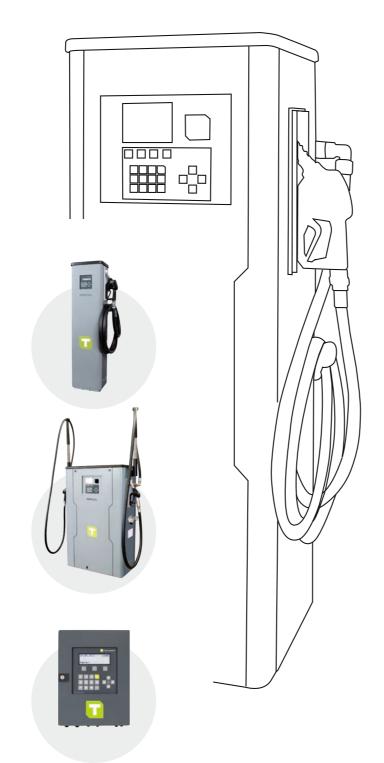
Significant time savings

Everything configured correctly from the start

Helps you help yourself

Clarify unanswered questions

Staggered pricing





Factory-side software configuration for up to

50 drivers/vehicles

100 drivers/vehicles

500 drivers/vehicles

Scope of delivery for pre-configuration:

- Pre-configuration of the fuel terminal settings in the web software myTecalemit
- Pre-configuration of dispensation parameters when using a fill level probe
- Adding of drivers/vehicles according to list
- Labeling of transponders with a sequential number



myTecalemit commissioning/briefing

On the phone

Via telephone support and Teamviewer by technician/key user, limited to max. 2 hours

On-site

On-site by engineer/product manager (daily rate plus travel/accommodation)

Briefing and first steps for:

- Fuel terminal menu operation
- mvTecalemit web software
- Functional test and clarification of unanswered auestions
- Definition of favorite evaluations



One for all, all for one!

We'd be glad to help



We are here for you!

You've now read everything, but still have unanswered questions or were unable to find a suitable solution?

No problem - our sales hotline is there for you from Monday to Friday and glad to help you with all matters related to the purchase of TECALEMIT products. You can also simply send an email to one of our sales staff or directly to export@tecalemit.de - We will get back to you as soon as possible.

You already have a TECALEMIT product and require a replacement part or have questions regarding its operation?

If so, please call our service hotline. Colleagues who have been with us for years will be glad to help you - not staff from an outsourced service center!

Thomas Schmid

Export Sales Manager thomas.schmid@tecalemit.de

Sales

Sales Hotline +49 461 8696-193

Mon. - Thu. 8 am - 5 pm 8 am - 3 pm

export@tecalemit.de

Service

Service Hotline

+49 1805 900-301

Mon. - Thu. 8 am - 5 pm 8 am - 3 pm

service@tecalemit.de

Callback service:

www.tecalemit.de/en/contact

Our team for the European market!

We are here to support you!



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GO WITH THE FLOW.



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