

TA2331

THE SUCCESSFUL



 *smart refuelling*

ALWAYS RELIABLE

DISPLAY

The big display is back-lit and guides the driver throughout the entire filling process. In addition it displays messages to the driver.

TEN-DIGIT KEYBOARD

Using the ten-digit keyboard you can enter the PIN, driver number, odometer reading, the pump number as well as other information. Up to eight pumps can be selected and used. Using the function keys of the no-wear piezo keyboard entries can be confirmed, deleted or corrected. Using the receipt key, you can request a fuel receipt.

HOUSING

The anodised aluminium housing with its sophisticated design is guaranteed to prevent oxidation.



CONTACTLESS IDENTIFICATION MEDIA

The TA 2331 works with all common identification media, Automatic Vehicle Recognition (AVR) and gives you absolute control over fuel consumption. In addition TA 2331 prevents the driver from filling up with the wrong fuel type.

CARD READER

The card reader can read any ISO track 2 and 3 magnetic cards. These can be authorised directly at the machine as a fuel card.

PRINTER

All system transactions and status reports are recorded by a protocol printer or in an electronic journal. For the configuration without a PC connection, integrated processing using an internal or external protocol printer is possible. For issuing fuel receipts, a receipt printer is available as an option. This is a no-wear thermal printer. A 400-m long paper roll and the electronic journal ensure long operating life.



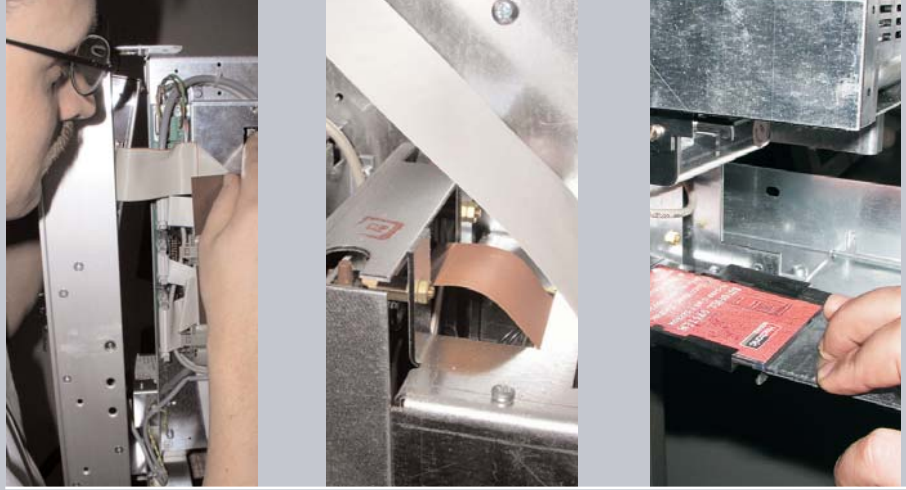
PRODUCT MANAGER

FRANK GAMPP

"Our TA 2331 is so successful because it is very flexible. It also guarantees a product you can always rely on."



2331



ALWAYS RELIABLE: IT GOES ON AND ON ...

YOUR BENEFIT:

1. Extremely economic use
2. Enormous flexibility
3. The greatest efficiency

Flexibility and efficiency - for some only two catchwords; but for Hectronic these words are a philosophy. This explains the TA 2331 particularly well. It offers everything that you would expect from a modern fuel autopay machine when it comes to efficient and cost-effective fleet management. This includes the vast quantities of data for all machines being transferred by modem, radio, via a network or directly to the PC.

The TA 2331 can be integrated into every fleet!

The TA 2331 is your "piggy bank". It conveys the fundamental data in order to find out which drivers in your fleet are "putting their foot down". These drivers will have to learn to drive more economically to save you fuel and money. A 400-metre long paper roll and the electronic journal ensure long operating life. When gauging fill levels (OPTILEVEL connection) it adopts the controller function. The TA 2331 needs very little service and maintenance with its no-contact reader, which as such is subject to no-wear and tear.

The perfect organiser of a company petrol station has the very best technological fittings. You can have it with a printer, calibrated, uncalibrated, with lighting, heating and proxy reader. Several variants are available which can be linked to all manufacturer pumps.

It works with all common identification media and Automatic Vehicle Recognition. Used with the Fueldata software, the TA 2331 offers you extensive control over fuel consumption. In addition TA 2331 prevents the driver from filling up with the wrong fuel type.

TA 2331 - THE PRODUCT FAMILY FOR THE COMPANY PETROL STATION

If space is limited, the TA 2331 in the wall housing is the ideal model. Thanks to its dimensions it can be installed everywhere.



The space-saving compact model is particularly suited for use under difficult external conditions. Spray cannot harm it.



With the TA 2331 Mobile especially for use on tankers, the petrol station comes to the vehicle and not the other way round.



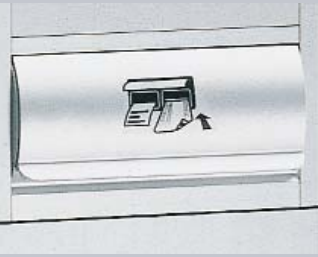
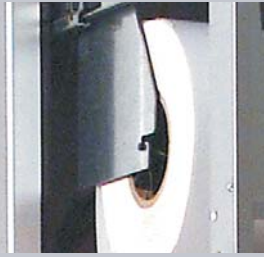
One for all, or more precisely: for all pumps - the TA 2331 Universal Insert. This offers you an individual pump installation solution to meet every requirement.



The TA 2331 is also the brain in our modern high-performance HECPUMP that is available either as a single or double pump. Super!



TA 2331



FACTS,
FACTS,
FACTS ...



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	STANDALONE	WALL HOUSING
STANDARD		
Display	alphanumeric LC display, back-lit, 4 x 20 characters	Yes
Keyboard	no-wear piezo keyboard, 10-digit keyboard with additional alpha keys	Yes
Magnetic card reader	Front-feed reader for ISO track 2	Yes
Pump control	4 pumps via a pulse interface or up to 8 pumps via an ER3 data interface	2 pumps using an interface
Storage capacity	approximately 4300 cards and 900 transactions	Yes
Data interface	RS232C/RS422, asynchronous batch transfer, 2400/4800/9600/19 200 Baud	Yes
Safety devices	Test for positive and negative list, four-digit PIN number, receipt of data using lithium battery	Yes
Dimensions	H 1600 x W 280 x D 405 mm	H 260 x W 440 x D 140 mm
Weight	approximately 60 kg	approximately 14 kg
Temperature range	-20 °C up to + 55°C without heating	Yes
Connection voltage	230 V AC + 10%/-15%	230 V AC + 10%/-15%
Power consumption	100 VA (without heating)	Yes
OPTIONS		
Power-operated data reader	for ISO track 2 or ISO track 3 magnetic cards	No
Proximity reader	Reader for transponder data / cards (contactless)	Yes
Calibratable Machine design	PTB approval 5.631/94.15	Yes
Heating	Yes	Yes
Illuminated operating field	Yes	No
Protocol printer (internal)	Thermal printer, print width 32 characters, paper roll: W 58 mm, diameter 60 mm, L 45 m	No
Protocol printer (external)	using RS232C interface	Yes
Electronic journal	Storage capacity 2 MB or 4 MB (equivalent 6 or 24 paper rolls)	Yes
Receipt printer (internal)	Thermal printer, print with 32 characters, paper roll: W 58 mm, diameter 60 mm, L 200 m	No
Automatic Vehicle Recognition (AVR)	with transfer of odometer reading	Yes
Data transfer	Direct connection, short haul modem, analogue modem, GSM modem, ISDN terminal adapter, COM server	Yes

USING	COMPACT HOUSING	MOBILE HOUSING	HECPUMP / INSERT
	Yes	Yes	Yes
	Yes	Yes	Yes
	No	No	Yes
Impulse interface	2 pumps using an impulse interface	1 pump using an impulse interface	2 pumps using an impulse interface
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
45 mm	H 260 x W 440 x D 145 mm	H 260 x W 440 x D 145 mm	See details of measurement in fitting instructions
	approximately 14 kg	approximately 14 kg	approximately 20 kg
	Yes	Yes	Yes
%	230 V AC + 10%/-15%	10 V DC to 36 V DC	230 V AC + 10%/-15%
	Yes	100 VA	Yes
	No	No	Yes
	Standard	Standard	Yes
	Yes	Yes	Yes
	Yes	No	Yes
	No	No	No
	No	No	Yes
	Yes	No	Yes
	Yes	Yes	Yes
	No	No	Yes
	Yes	Yes	Yes
	Yes	GSM modem	Yes

TA 2331



FUELDATA - THE REALLY INGENIOUS SOFTWARE

This fleet management software which is ideal for use with the TA 2331 guarantees:

1. Exact figures for all areas
2. Full management of the complete filling station
3. Database for reducing consumption



FuelData is the control centre where all data can be seen and individually evaluated. The program is designed both for in-house company and the public petrol station. There are three versions of the software so that the user can select the range of functions required.

FuelData COM (Data transfer)

This basic version primarily provides communication between the autopay machine and the PC. Besides offering an import and export function, it offers stock management linked to the Optilevel fill level gauging system. FuelData COM is ideally suited as a complete solution for smaller petrol stations.

FuelData FLEET (Vehicle analysis)

In addition to FuelData COM this is where the necessary vehicle parameters are stored which are used for analysis, such as average consumption and deadline monitoring for TÜV, maintenance and tyre changes. This allows on-screen vehicle monitoring at any time as well as the production of lists, which can be configured to your requirements. FuelData FLEET is intended for medium-sized to large fleets.

FuelData ACCOUNT (Billing)

The customer data are central to the FuelData ACCOUNT in addition to the FuelData COM package. The data can be managed centrally. This includes invoices, bank files and various statistics. FuelData ACCOUNT - ideal for customer communication with output of bills at public petrol stations.

OPTIONS

OPTILEVEL

Fill level probes such as OPTILEVEL, our system for fill level management, can also be connected directly and using the machine queries run on fill levels. OPTILEVEL delivers precise stock data at any point in time and for each individual tank.

This allows easy control of fuel going in and out of stock thus optimising stock control. The TA 2331 and OPTILEVEL are optimised to work together.

PETROPOINT AVR

The Automatic Vehicle Recognition AVR PETRO POINT saves time and money. The driver fills up, the system, which is optimised to work with TA 2331, deals with the rest: wireless vehicle identification, authorisation check and automatic pump clearance. Your advantages: greater vehicle throughput, protection against waste and misuse as well as a high degree of transparency when it comes to business management.

