



INDUSTRIAL
SELF-SERVICE TERMINAL

SELF-SERVICE WEIGHING TERMINAL

BP PAYTERMINAL

Simplifies weighing, secures payment



*Autonomous weighing
Secure credit card and contactless payment
Remote management and real time data control
Calculation of fares, tickets and automatic notifications*

Model
BP PayTerminal
V2

WEIGHT SYSTEM



grupoepelsa.com



SELF-SERVICE WEIGHING TERMINAL

BP PAYTERMINAL

BP PayTerminal

The BP PayTerminal is a self-service terminal designed to simplify the process of weighing and paying by weight by credit card. This equipment allows users to weigh their products and make payment by credit card in an autonomous and guided manner, without the need for assistance.

Thanks to BP PayTerminal our customers can offer efficient and secure self-service weighing, reducing operational costs and minimising fraud risks by eliminating the need for operators and accepting credit card and contactless payments.



Equipment developed for unattended weighing

The vast majority of self-service weighing equipment currently on the market is cash-on-delivery. The coin cash remains in the equipment until the official or person in charge collects the money.

Given the constant increase in the number of reports of theft of this equipment, as well as the cost of damage caused to doors, locks, materials, etc., EPELSA, applying the latest technologies, has developed the BP Pay Terminal to make payments by credit card. This avoids the use of cash in the weighing equipment, dissuading possible criminals from carrying out the robbery as there is no cash, and also avoiding the cost of the damage caused.



Card reader detail

Main features

Cálculo Automático de Tarifas.

Calcula automáticamente el importe en función de las tarifas programadas.

Emisión de Tiques

Genera un tique con los datos de la pesada realizada: peso, importe, etc.

Consulta de Historial

Permite consultar el histórico de pesadas y exportar totales en formato .csv o imprimirlos.

Notificaciones Automáticas

Envía correos electrónicos al responsable en caso de falta de papel o incidencias técnicas.

Cero de Báscula y Reimpresión

Permite realizar un cero de la báscula y reimprimir tiques en caso de pérdida o deterioro (En remoto o local bajo contraseña).

Modo Repetidor

Una versión pensada para integrarse en básculas ya instaladas y con certificación vigente. En esta modalidad, el terminal recibe el peso desde un visor existente (no incluido), sin intervenir en el sistema de pesaje original ni afectar a la Declaración de Conformidad.

Benefits and applications

- ▶ Operational Efficiency: Reduced operating costs by eliminating cash handling.
- ▶ Improved Security: Deter theft by not storing cash.
- ▶ Ease of Use: User and maintenance friendly interface.
- ▶ Remote Accessibility: Management and monitoring from anywhere with an Internet connection.
- ▶ Repeater Mode: possible configurations
 - › Connect to certified scales without breaking seals or making new legalisations.
 - › Configure the terminal to accept standard weight frames from multiple indicators and manufacturers.
 - › Use remote zeroing commands, if supported by the indicator.
 - › Transform existing industrial scales into public card payment stations, without structural modifications.

Other possible applications

The BP PayTerminal is also suitable for other environments and needs. For example, it can be installed on smaller scales, such as those used for weighing luggage at airports. This configuration allows users to check the weight of their bags and pay by card quickly and autonomously.

The BP PayTerminal allows to operate in Customer Mode, enabling payment in advance. Customers can log in with a username and password instead of using a card, using a pre-loaded balance. This feature is ideal for environments where advanced user management is required.

Improvements have also been added to the terminal operation:

- › **Verification of internet connection** before starting the weighing, to avoid user frustration.

- › **Free mode for disconnection (optional):** the terminal can continue to operate without a network, offering weighing at no cost, avoiding damage or misuse.

This version extends the possibilities of the BP PayTerminal, facilitating new installations in scenarios where it was not feasible before.

Achieving Excellence in Self-Service Terminals

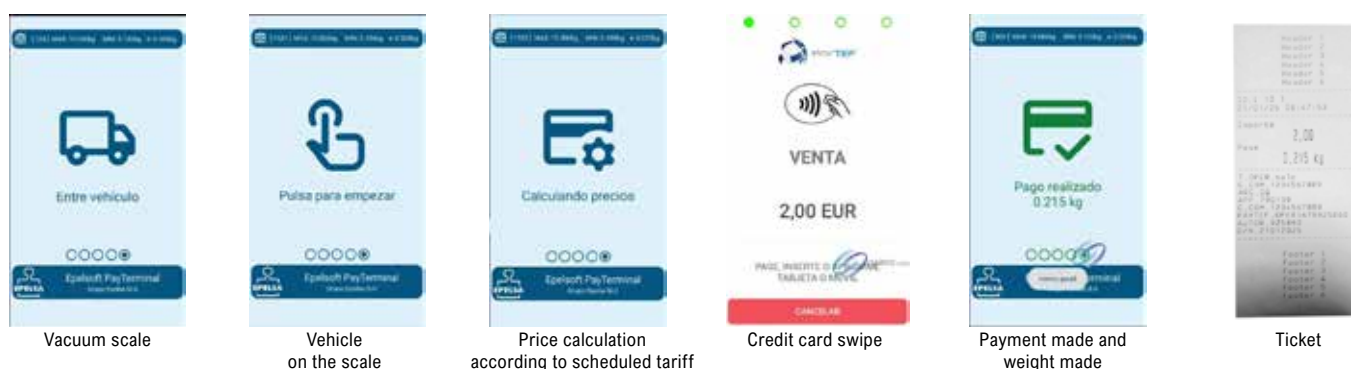


Operation

This self-service terminal allows users to weigh their vehicle or goods on the scale and pay quickly and securely by card, eliminating the need to handle cash.

It is also available in a repeater version, allowing integration with existing and certified indicators. This option extends the installation possibilities without the need to modify already verified weighing systems, offering a more flexible solution for customers with previous installations.

Through its colour touch screen, the device guides the user intuitively through each step necessary to complete the process.



Internet connection

The operation of the equipment requires an Internet connection, which can be established in the following ways:

4G data card: The device includes as standard an integrated router with 4G connection, which can be enabled by contracting a suitable data card. The contracting of the SIM card is not managed by Epelsa.

Wired network: It is possible to connect the device directly to the end customer's wired Internet network. In this case, the customer must install their own router and connect it via an Ethernet cable to the payment device.

For remote management of the device, the embedded web server allows access via a browser.

- If the device's integrated router is used, the connection must be made via ZeroTier, due to the security restrictions of mobile devices. In this case, the data card does not require a fixed IP.
- If the client router is used, the client router must have a fixed IP and perform port forwarding to the device.

Transparent Transaction Management

The payment platform integrated into the equipment will send detailed transaction reports directly to the end customer. This ensures efficient and transparent control of the flow of transactions associated with the equipment.

Transparency in operations



Techniques Features

Embedded web server: Integrates an HTTP server running directly on the device, eliminating the need for additional client software.

Remote browser access: Users can connect to the device via their IP address or domain in a standard browser, with an intuitive interface and real-time data.

Data visualisation: Device information is dynamically presented using web technologies such as HTML, CSS and JavaScript.

Networking: Compatible with LAN networks and accessible from external networks with configurations such as NAT or cloud services. Built-in security: Protect data with user authentication and security tokens.

Optimised design: Your web server is designed to operate on compact, low-power hardware such as microcontrollers or embedded systems.

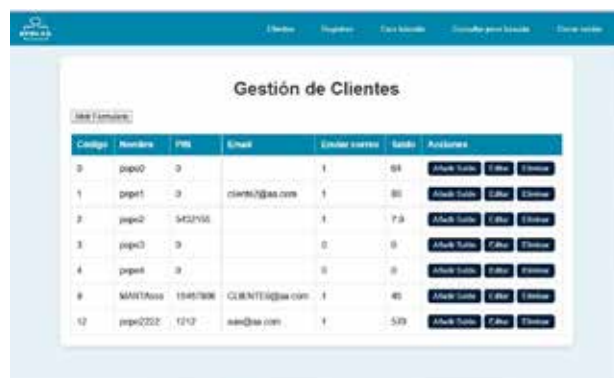
Client management: Allows you to register customers with PIN remotely, manage balances and perform weighing automatically if the balance is sufficient. Top-ups and account modifications can be done from the browser. It is also possible to send e-mails to the customer by activating the corresponding option.

Additional functionalities:

- Zero the scale remotely (or locally under password).
- Consult and obtain the weight in real time.
- Review, print or export in .csv the weighs carried out between dates.

Event log: The system logs events and incidents automatically, allowing them to be viewed on the device or from a web browser.

Web Server screen



Código	Nombre	PIN	Email	Última compra	Saldo	Acciones
0	pepi0	0		1	54	Actualizar, Eliminar, Borrar
1	pepi1	0	cliente1@epelsa.com	1	80	Actualizar, Eliminar, Borrar
2	pepi2	5432100		1	73	Actualizar, Eliminar, Borrar
3	pepi3	0		0	0	Actualizar, Eliminar, Borrar
4	pepi4	0		0	0	Actualizar, Eliminar, Borrar
5	MARTArosa	10407000	CLIENTE@epelsa.com	1	40	Actualizar, Eliminar, Borrar
12	pepi2022	1212	rosa@epelsa.com	1	579	Actualizar, Eliminar, Borrar

Customer Management



Código	Nombre	PIN	Email	Última compra	Saldo	Acciones
0	pepi0	0		1	54	Actualizar, Eliminar, Borrar
1	pepi1	0	cliente1@epelsa.com	1	80	Actualizar, Eliminar, Borrar
2	pepi2	5432100		1	73	Actualizar, Eliminar, Borrar
3	pepi3	0		0	0	Actualizar, Eliminar, Borrar
4	pepi4	0		0	0	Actualizar, Eliminar, Borrar

Customer Management

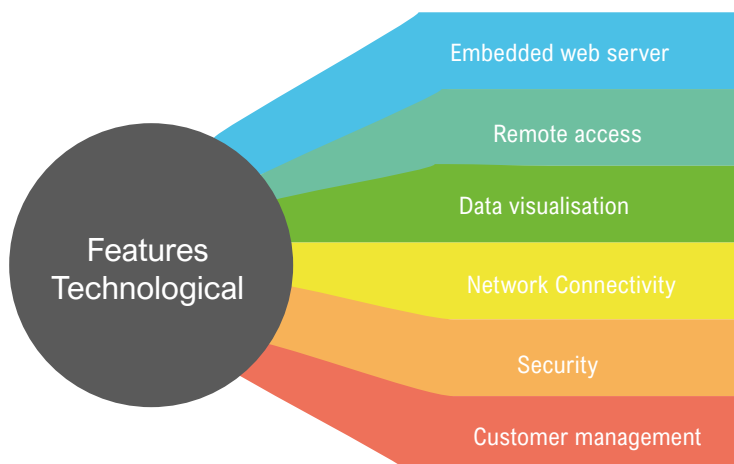


Selección	Fecha	Hora	Peso	Precio	Operador	Código Cliente	Nombre Cliente
0	24/12/00	10:00:00	10000	3	2200	0	CLIENTE0
1	24/12/01	10:00:01	10001	3	2201	1	CLIENTE1
2	24/12/02	10:00:02	10002	3	2202	2	CLIENTE2
3	24/12/03	10:00:03	10003	3	2203	3	CLIENTE3
4	24/12/04	10:00:04	10004	3	2204	4	CLIENTE4
5	24/12/05	10:00:05	10005	3	2205	5	CLIENTE5

Registration Management



Login screen



Technical Data

Hardware components

This system combines specialised hardware with optimised software that allows the device to be easily and efficiently interacted with from a local network or via the Internet.

The BP PayTerminal hardware includes:

Metal box

- Housing of the payment device and the Custom panel printer.
- Payment device
- Operating system: Android 10.
- Processor: Quad-core ARM Cortex-A53.
- Memory: 8GB flash storage, 1GB RAM (expandable to 2GB).
- Card Readers: Chip, PIN, contact and magnetic stripe compatible.
- Display: 5-inch touchscreen.
- Connectivity: Ethernet, Wi-Fi, Bluetooth and 4G.
- Camera: 2MP for QR code scanning.
- Security: Complies with international security standards.

Custom Panel Printer

- High durability and performance.

Digital Weight Processor

Monthly maintenance

To ensure optimal operation, it is necessary to contract an annual maintenance plan that includes:

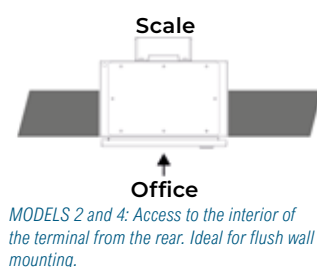
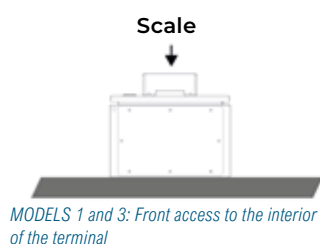
Cost of the payment platform (PAYTEF): to enable the functionality of bank card payments.

*Online remote maintenance: Managed by Epelsa technicians, it includes:

- Remote configuration and resolution of technical incidents, avoiding travel.
- Free software and firmware updates of the device, without the need for physical intervention.
- Specialised support for the distributor.

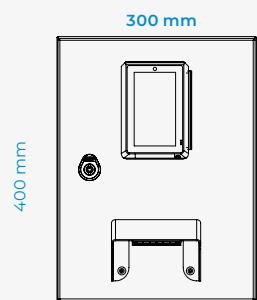
*If a distributor chooses the maintenance contract with Epelsa, we will take care of the complete management with PAYTEF, and the cost of the payment platform will be covered within the maintenance. This means that the distributor will not have to worry about the management or maintenance of the platform.

If a distributor decides not to contract the maintenance with Epelsa, he will have to manage the contract directly with PAYTEF and assume the responsibility for the maintenance of the equipment.

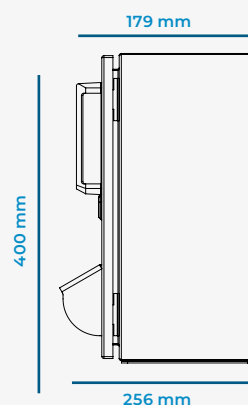


Plans

Front view



Profile view



REFERENCE	DESCRIPTION
0011132000 (1)	BP PayTerminal standalone (VipOut + touch card reader + printer + visor set)
0011132000PT (2)	BP PayTerminal stand-alone with backplate-mounted equipment (VipOut + touch card reader + printer + visor set)
0011132000R (3)	BP PayTerminal repeater mode (touch card reader+specific software + printer + visor set)
0011132000RPT (4)	BP PayTerminal repeater mode with backplate mounted equipment (touch card reader+specific software + printer + visor set)
0018910792	PayTerminal Software*
SERVPAYTEF	PAYTEF** platform service

All BP Pay Terminals are equipped with a touch card reader and their own software. Only in repeater mode, they will be without weighing module (VipOut), as it will collect data directly from the customer's display.

* The installation of the PayTerminal Software is the correct operation of the terminal, being a reference to be added to the order with a cost of 0€.

** The PAYTEF Service is a fixed monthly fee to enable the functionality of bank card payments and includes configuration service and remote maintenance of the equipment by our technicians.