

Taximeter Halda M2

Quick Manual



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1. General

1.1 General information

Halda M2 is a modern, compact and versatile taximeter for professional use.

The delivery of the taximeter includes a central unit, a touch screen, a 4G antenna, a Bluetooth antenna, a cable set and a quick manual (this document).

Updating the taximeter software, loading tariffs and transferring transactions is done via a 4G data connection. The SIM card for the data connection must be obtained by the customer and delivered to an authorised Halda installer before installation and deployment of the device.

Please note!

The product delivery does not include a SIM card; this must be obtained by the customer for installation in the taximeter's central unit. The recommended minimum speed for the SIM card connection is 10 Mbit/sec and at least 1 GB per month.

It should be noted that the data traffic speeds announced by telecom operators for different connections are theoretical maximum speeds, so the 10 Mbit/sec recommendation is dimensioned accordingly. The minimum requirement for the actual communication speed is 2 Mbit/sec.

Halda M2 can be loaded with many different calendars, tariffs and extras (max. 59 extras).

The taximeter is connected to the payment terminal and tablet (for the dispatch centre) via a Bluetooth connection.

Halda M2 has been tested and approved in accordance with the requirements of the EU Measuring Instruments Directive **2014/32/EU** and the EMC Directive **2014/30/EU**.

Please note Halda M2 may only be installed, programmed and sealed by an authorised Halda installation workshop.

1.2 User Manuals

The quick manual contains basic information about using the taximeter. It is also a good idea to read the detailed and updated user manual available on Halda AB's website

<https://www.halda.com/akerier/manualer-och-formular.html>.



Same link as QR-code

The user manuals are updated in accordance with the functions available in the taximeter at any given time and describes how the taximeter's functions can be used in different ways.



This quick manual walks you through the basic functions and use of the Halda M2 with examples. You can start using the taximeter by following these instructions.

1.2.1 QR code for the quick guide

The latest user manual is always published on at

<https://www.halda.com/akerier/manualer-och-formular.html>.

The quick guide can be opened for reading on a mobile phone using the taximeter's QR code. ***Please note! Your phone must have an app that can open PDF files.***

- Scroll between pages by tapping the icon 
- Press the info button 
- The QR code opens on the screen
 - Scan the QR code with the mobile phone camera
 - The phone recognises the QR code and displays a message
 - Open the QR code link to the user manual by pressing the message on your phone's screen
 - Follow the instructions on your phone to open the quick guide.



1.2.2 Touch screen

The touchscreen is divided into three areas containing function buttons, taximeter status and price/extras/currency.

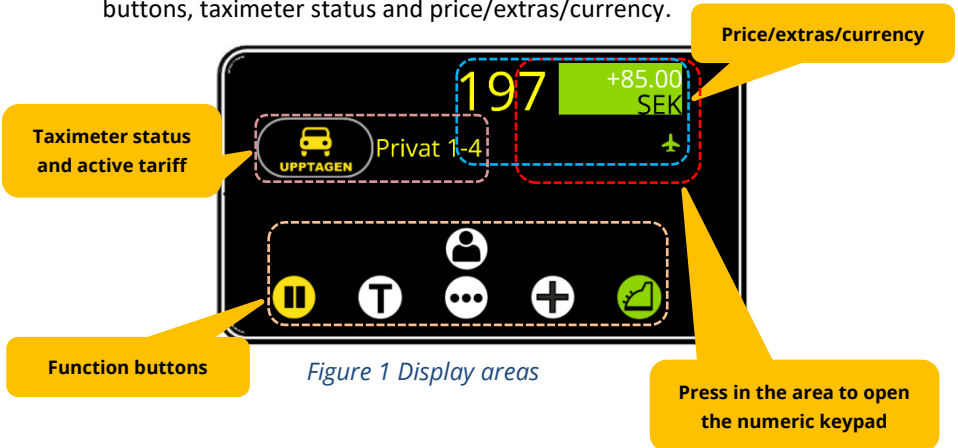

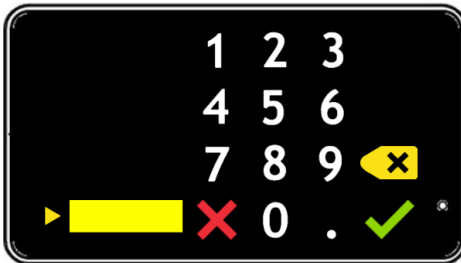




Figure 1 Display areas


1.2.3 Numeric keypad

The numeric keypad is used to enter numerical values and amounts, and to activate function codes. The numeric keypad is opened by pressing the activation area on the screen (see image above) or by pressing the  button.



The button  deletes incorrect digits one by one.

































Decimal numbers are separated with the dot button .

Confirm the entered number series/code with the button .

Press  to close the numeric keypad.

1.3 Icons and buttons

The basic icons and buttons are listed in the table below. More detailed information about icons and buttons can be found in the full user manual. Instructions for reading the QR code can be found in section 1.2.1.

	Roof light is on.		Checkout to payment mode.
	Start taxi shift.		Go to the menu for payment types other than cash.
	Stop taxi shift.		Go to the menu for cash payment.
	Start a trip booked via an app (Uber, Bolt, etc.).		Split the payment between passengers or payment types.
	Shift information for current shift.		Go to the menu to select extras.
	Return to previous page.		Print receipt.
	Confirm.		Skip receipt printing.
	Cancel.		Cancellation/correction of a payment transaction.
	Delete characters.		Print a copy of the latest receipt.
	Scroll/change page.		Print interim report or shift report copy.
	Go to tariff menu 1.		Display kilometres driven on the screen.
	Go to the tariff menu, which contains all tariffs.		Take a break and turn off the roof light.
	Start a fixed-price trip with a selectable price.		Set taximeter on hold during taxi trip.
	Return to tariff from pause mode		Performance test for the SIM card's data connection.
	Start a private trip.		Start a business trip.
	Menu for authority's control. For example, police control.		Go to the menu for adjusting the brightness of the display.

2. How to use the taximeter

This section describes the basic functions of the taximeter. More detailed information about the taximeter's functions and parameters can be found in the complete user manual.

2.1 Starting and stopping the taxi shift

2.1.1 Logged out, business trip

When you start the taxi shift, the taximeter is in logged out mode and the distance travelled is recorded as a business trip.

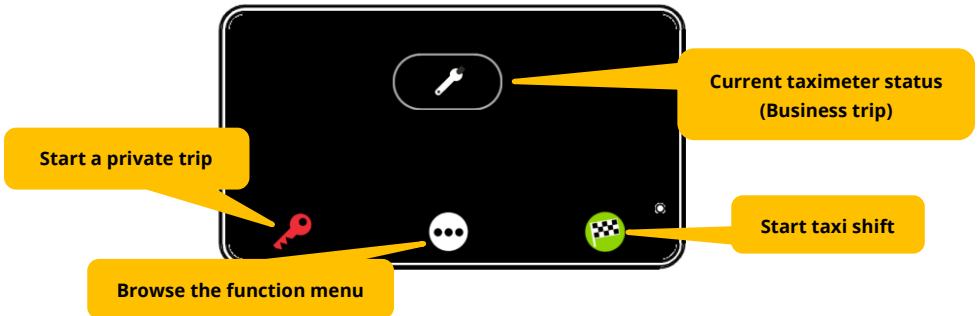


Figure 2 Taximeter logged out with ongoing business trip

2.1.2 Logged out, private trip

To switch to a private trip, press the red key icon. The taximeter remains logged out and the private trip is activated. The distance travelled in this mode is recorded as a private trip.

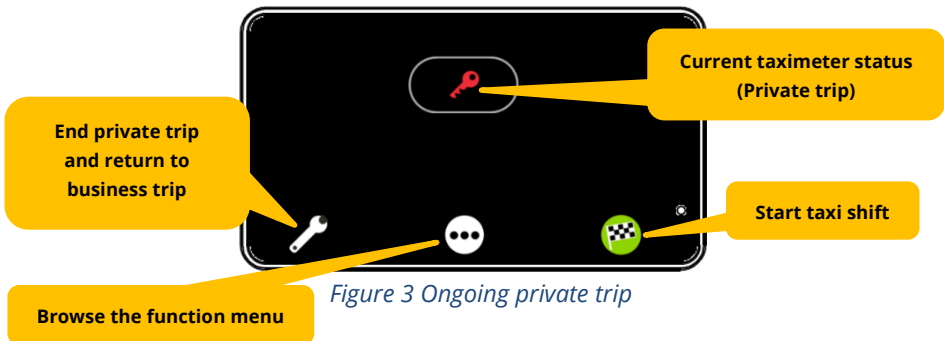


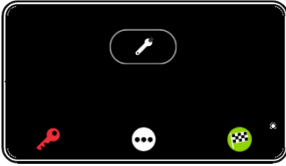

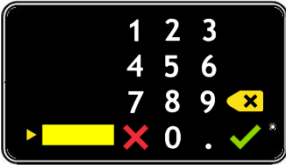

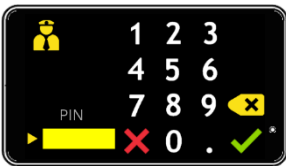


Figure 3 Ongoing private trip

2.1.3 Start the taxi shift

At the start of the taxi shift, the driver number and, if applicable, the vehicle's odometer reading is recorded.





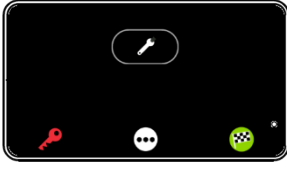
There are two ways to start the shift:

1. The shift can be started by entering the 6-digit driver number.
2. The second option is to swipe the personal driver card in the magnetic card reader on the payment terminal.

Taximeter status	Display	Function
The taximeter is logged out.		<p>Option 1. Press the  button to start the taxi shift with the driver number.</p> <p>Option 2. Start the taxi shift by swiping the driver card in the magnetic card reader on the payment terminal.</p>
The taximeter is waiting for the driver number to be entered.		Enter the driver number and confirm with  .
The taximeter can then wait for the driver's PIN code to be entered. This is controlled by the taxi centre.		Enter the PIN code and confirm with  .
The taximeter is in For Hire mode and the roof light is on.		



2.1.4 Ending the taxi shift

The vehicle odometer reading is optionally recorded at the end of the taxi shift. The taximeter prompts you to enter the mileage.


Taximeter status	Display	Function
<p>The taximeter must be in For Hire mode.</p>		<p>Press the  button to go to the next page in the function menu.</p> <p>You may need to press more than once to open the page with the red flag .</p> <p>Press  twice to end the shift.</p>
<p>The shift report is printed and the taximeter returns to the logged-out state.</p>		

2.2 Payments

2.2.1 Start a taxi trip by selecting a tariff

The tariff can be activated using the button , which displays a list of tariffs in group 1. Alternatively, the tariff can be activated from the tariff menu , which displays tariffs from all groups.

The tariff menu can contain many different types of rolling tariffs, fixed price tariffs and waiting time tariffs.



A fixed-price trip with a selectable fixed price can be started using the button .

2.2.2 Payment transactions


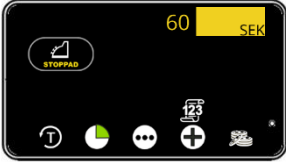



Taxi trips can be paid for in cash, by payment card, with Swish or via an app. Invoicing and virtual payment methods are also possible if the system has been configured to accept these payment types.





Press the cash register button  to go to payment mode.

2.2.2.1 Cash payments

When the taximeter is in payment mode, collect payment from the customer and select cash using the button . Print a receipt using the button .

2.2.2.2 Card payments

Taximeter status	Display	Function
<p>Press the cash register icon  and the taximeter will switch to payment mode.</p> <p>The amount to be charged is automatically transferred to the payment terminal.</p>	 	<p>Charge the payment as a contactless payment</p>  <p>or as a chip card payment</p> 



Taximeter status	Display	Function
		<p>or as magnetic card payment</p> 
<p>The driver's receipt is printed automatically once the payment has been approved.</p> <p>Press the receipt button to print the customer's receipt.</p>		<p>Print the customer's receipt by pressing  or skip printing by pressing the  icon.</p>

2.2.3 Refund/payment correction




Payment correction can be used to correct any errors in payment transactions. Corrections can be made on any receipt from the last trip.

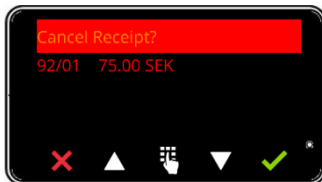
Please note Only payments from the most recent trip can be corrected, and this must be done in For Hire mode before the next queue trip has started. Halda M2 complies with applicable national accounting regulations regarding the possibility of correcting payments.




To correct the payment, make sure the taximeter is in **For Hire** mode.




1. Scroll through the pages using the  button until you find the  button.

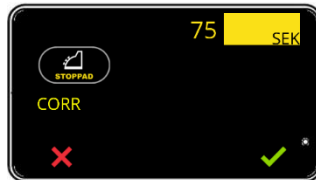




2. Press the button  to start the correction
3. Use the arrow buttons  and  to scroll through the payments that can be corrected.





4. A payment transaction can also be corrected using the **receipt number**. Open the numeric keypad with the  button and enter the receipt number.
5. You can cancel the correction by pressing the  button.
6. Once the correct receipt has been selected, confirm the correction with the  button.


7. The taximeter prints a correction request and waits for confirmation with the  button again.
 - a. You can cancel the correction by pressing the  button.
8. The taximeter prints a cancellation receipt, which should be signed by the customer.
 - a. Print the customer's receipt using the 
9. The taximeter asks whether the payment should be corrected or simply cancelled.





- a. Confirm the correction of the payment transaction with the button 
 - b. Cancel without correction using the button 
10. The taximeter enters payment mode and the original amount is shown on the taximeter display.
11. The correct payment type must now be selected. Cash, invoice, card payment, etc.

2.2.4 Roof light

The vehicle's roof light is automatically controlled by the taximeter so that it goes out in Hired mode and lights up in For Hire mode. The driver can also control the roof light manually using the buttons  and .

The symbol  indicates that the vehicle's roof light is on.

The symbol  indicates that the vehicle's roof light is off.





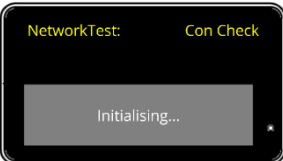
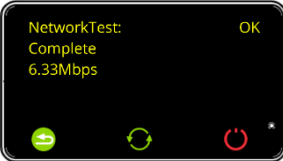


You can turn on the vehicle's roof light yourself by pressing the icon .

Please note! This function does not change the booking status of the taximeter.

3. Performance test for SIM card data connection

A function that tests whether the data connection via the SIM card has sufficient performance.

Please note! The measured speed must not be less than 1 Mbit per second.

Taximeter status	Display	Function
<p>The taximeter is in For Hire or logged-out mode.</p>		<p>Scroll through the taximeter menus with the  button until you see the data traffic test icon .</p>
<p>Press the icon  to start the test.</p>		<p>The test starts and runs automatically.</p>
<p>The test result is displayed on the screen when the test is complete.</p>		<p>Press  to return to the previous page.</p> <p>The test can be repeated by pressing the  button.</p>

4. Declaration of Conformity

This declaration certifies that the below mentioned system conforms to the essential requirements of the **2014/32/EU** (MID) and **2014/30/EU** (EMC).

Description of the system: Taximeter system

Type: Halda/Semel M2

Components: Any combinations of CPU, display & printer below:

Serial number YYWWNNNNNNN

YY = production year e.g. 2024 ->YY=24

WW = production week e.g. -> WW=06

NNNNNN = product specific running serial number

TM208 CPU Serial number YYWW70000 -YYWW89999

TM210 CPU Serial number YYWW100000-YYWW149999

TT240 Display (small)

Serial number YYWW240000-YYWW269999

TT430 Display Serial number YYWW30000 -YYWW49999

TT430 in RM1r (TT430 mounted in rear mirror display)

Serial number YYWW63000 -YYWW64999

TT450 Display Serial number YYWW200000-YYWW229999

TT450 in RM1r (TT450 mounted in rear mirror display)

Serial number YYWW230000-YYWW239999

RX90hn Printer Serial number YYWW40000 -YYWW59999 &

Serial number YYWW65000 -YYWW69999

RX100 Printer Serial number YYWW150000-YYWW199999

Manufacturer: Semel Oy

Valimotie 21

FIN-00380 HELSINKI

The construction of the appliances is in accordance with the following standards:

EMC:

ISO 7637-2, ISO 7637-3

IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-6

EN 55022 Class B

Mechanical test:

IEC 60068-2-64, IEC 60068-2-31

Climate test:

IEC 60068-2-2, IEC 60068-2-1, IEC 60068-2-30

The system has been tested according to these standards by RISE Research Institutes of Sweden AB. All requirements are fulfilled.

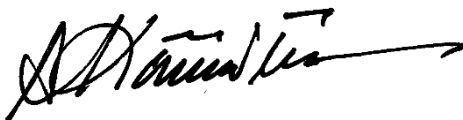
EC type examination certificate: **No. 0402-MID-50 23 05**

Assessment decision certificate: **No. 0402-MID-50 23 01**

The authorised signature to this declaration, on behalf of the manufacturer, and the responsible person based within the EU, is identified below.

Signature:

Helsinki January 2026



Ari Kääriäinen
Managing Director
Semel Oy

5. Technical information

TM208E CPU	
Construction TM208	Aluminium profile
Dimensions TM208	39 mm x 108,5 mm x 124 mm (T x L x W)
Weight TM208	350 g
Voltage TM208	9...32 VDC
Power consumption TM208	70 mA at 12 V
Operating temperature	-25 ... +55 °C
Storage temperature	-40 ... +70 °C
Pulse input frequency range	500 ... 150000 imp/km

TM210 CPU	
Construction TM210	Aluminium profile
Dimensions TM210	27 mm x 126 mm x 124 mm (T x L x W)
Weight TM210	350 g
Voltage TM210	9...32 VDC
Power consumption TM210	70 mA at 12 V
Operating temperature	-25 ... +55 °C
Storage temperature	-40 ... +70 °C
Pulse input frequency range	500 ... 150000 imp/km

TT430 / TT450 Display	
Construction	Glass front, plastic back
Dimensions TT430/TT450	16 mm x 72,50 mm x 129 mm (T x L x W)
Dimensions TT430/TT450 Mirror	32,83 mm x 267,30 mm x 83,44 mm (T x L x W) Weight: 470 g
Weight TT430/TT450	220 g
Weight TT430/TT450 Mirror	470 g
Operating temperature	-25 ... +55 °C
Storage temperature	-30 ... +70 °C

RX90hn	
Dimensions	37 mm x 89 mm x 132 mm (T x L x W) Weight: 250 g (without paper roll)
Paper roll dimensions	57 mm x 46 mm x 12 mm (50 g)
Weight Voltage RX90hn	9 ... 32 VDC
Operating temperature	-25 ... +55 °C

RX100	
Dimensions	56 mm x 89 mm x 117 mm (T x L x W) Weight: 200 g (without paper roll)
Paper roll dimensions	57 mm x 46 mm x 12 mm (50 g)
Weight Voltage RX90hn	9 ... 32 VDC
Operating temperature	-25 ... +55 °C

NOTE: Printer RX90hn, payment terminal Castles, Link and Halda Contact Tablet have separate user manuals.

6. Support

Halda AB Customer support

Halda AB provides support on weekdays for technical problems

+46 8 - 50 13 14 00

support@halda.com

Halda 