

## AMTRON® Xtra (E/R), Trend E, Premium (E/R)



The MENNEKES AMTRON® Wallbox is a charging station for use in private and semi-public areas, such as private land, company car parks and depots.

- Charging acc. Mode 3 (IEC 61851)
- Vehicle connectors and charging socket acc. IEC 62196
  
- Integrated cable suspender



Optional:

- Charging socket type 2
- Permanently connected charging cable with connector type 2 (Length 7,5m)
- Permanently connected charging cable with connector type 1 (Length 7,5m)
  
- Charging power up to 22 kW

Technical changes reserved

Date: 03-2017 – V.3.0

**CHARGE UP YOUR DAY!**

## PRODUCTFEATURES

- Status information through LED info bar
- Integration into the home network over WLAN / LAN
- RS 485 interface for wired networking with a MENNEKES eMobility-Gateway
- Multi-function button
  - Stop function (adjustable parameters; deactivated by default)
  - Reset function
  - RCD test (only with integrated RCD)
  - Re-activating of RCD and CB (only with integrated RCD / CB)
- Unlocking function in case of power failure (only for devices with charging socket type 2)
- Charge APP (download for free)
  - Authorising and visualising the charging processes
  - Statistic function
  - Display of the charged amount of energy and the energy costs
  - Data export of charging processes (file format: pdf and csv)
  - Selective operation modes: manual (APP-control), time-controlled (internal), external tariff signal, Energy Manager
  - Alert function
  - Whitelist management for RFID-cards
- RFID system for authorising with local whitelist (up to 98 users) (only for Trend E und Premium (E/R) - devices)
- Enclosure made of AMELAN®
- Wired ready for connection



# PRODUCT DATA SHEET

## AMTRON® Xtra (E/R), Trend E, Premium (E/R)

### VERSIONS

RFID system	Personal protection (RCD)	Personal and circuit protection (RCD / CB)	RFID system	Personal protection (RCD)	Personal and circuit protection (RCD / CB)	RFID system	Personal protection (RCD)	Personal and circuit protection (RCD / CB)
Calibrated digital energy meter	Amount of charged energy displayed by Charge APP	Statistic function by Charge APP	Calibrated digital energy meter	Amount of charged energy displayed by Charge APP	Statistic function by Charge APP	Calibrated digital energy meter	Amount of charged energy displayed by Charge APP	Statistic function by Charge APP
Charge APP over LAN / WLAN	LED status display Stop button	Charge APP over LAN / WLAN	Charge APP over LAN / WLAN	LED status display Multi function button	Charge APP over LAN / WLAN	Charge APP over LAN / WLAN	LED status display Multi function button	LED status display Multi function button
<b>Trend E 1)</b>	<b>Xtra E 1)</b>	<b>Xtra R 1)</b>	<b>Premium E 1)</b>	<b>Xtra R 2)</b>	<b>Premium E 1)</b>	<b>Premium R 1)</b>	<b>Premium 2)</b>	
Part number	Part number	Part number	Part number	Part number	Part number	Part number	Part number	Part number
3,7 / 7,4 kW 1357400	3,7 / 7,4 kW 1354400	11 kW 1354451	3,7 / 7,4 kW 1355400	11 kW 1344401	3,7 / 7,4 kW 1355401	11 kW 1344401	3,7 kW 1345400	11 kW 1345401
11 / 22 kW 1357401	11 / 22 kW 1354401	11 kW 1354451	11 / 22 kW 1355451	11 kW 1344401	11 / 22 kW 1355451	11 kW 1344401	11 kW 1345401	22 kW 1345402
3,7 / 7,4 kW 1347680	3,7 / 7,4 kW 1354600	3,7 / 7,4 kW 1344680	3,7 / 7,4 kW 1345680	11 kW 1344681	3,7 / 7,4 kW 1345680	11 kW 1344681	11 kW 1345681	22 kW 1345681
11 / 22 kW 1347681	11 / 22 kW 1354601	11 kW 1344681	11 / 22 kW 1355601	11 kW 1344681	11 / 22 kW 1355601	11 kW 1344681	11 kW 1345681	22 kW 1345681
7,4 kW 1357203	7,4 kW 1354203	22 kW 1357202	3,7 kW 1344200	11 kW 1344201	3,7 kW 1344200	11 kW 1344201	3,7 kW 1345200	11 kW 1345201
22 kW 1357202	22 kW 1354202	3,7 kW 1354252	22 kW 1355252	22 kW 1344202	22 kW 1355252	22 kW 1344202	22 kW 1345202	22 kW 1345202
3,7 kW 1357100	3,7 kW 1354100		3,7 kW 1344100	3,7 kW 1344100	3,7 kW 1344100	3,7 kW 1344100	3,7 kW 1345100	3,7 kW 1345100



1) EU version without Germany  
 2) Version for Germany

Charging socket type 2 (version „T2“) <sup>Ⓐ</sup>  
 Charging socket type 2 with Shutter (version „T2S“) <sup>Ⓒ</sup>  
 only for FR und IT

Permanently connected charging cable with connector type 2 (version „C2“) <sup>Ⓑ</sup>

Permanently connected charging cable with connector type 1 (version „C1“) <sup>Ⓒ</sup>

### TECHNICAL DATA

Charging power Mode 3	3,7 kW	7,4 kW	11 kW	22kW	
Rated voltage $U_n$	230 V AC $\pm 10\%$	230 V AC $\pm 10\%$	400 V AC $\pm 10\%$	400 V AC $\pm 10\%$	
Rated frequency $f_n$	50 Hz				
Rated current $I_{nA}$	16 A	32 A	16 A	32 A	
Charging current Mode 3 $I_{nC}$	16 A, 1 ph	32 A, 1 ph	16 A, 3 ph	32 A, 3 ph	
Degree of protection	IP 44 (permanently attached charging cable or charging socket type 2 with Shutter) IP 54 (charging socket type 2 with hinged lid)				
Protection class	I				
Dimensions	474,8 mm x 259,2 mm x 220,1 mm (H x W x D)				
Rated impulse withstand voltage $U_{imp}$	4 kV				
Rated short circuit current $I_{cc}$	10 kA				
Rated diversity factor RDF	1				
Pollution degree	3				
Earthing system	TN/TT				
Condition of installation	Stationary equipment				
Usage	ACSEV				
Mounting method	wall mounting, surface mounting				
EMC classification	A+B				
Resistance to mechanical impact (IK)	IK08				
Rated insulation voltage $U_i$	500 V				
Maximum cable cross-sections at the terminals	Rigid	3 x 6 mm <sup>2</sup>	3 x 10 mm <sup>2</sup>	5 x 6 mm <sup>2</sup>	5 x 10 mm <sup>2</sup>
	Flexible	3 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 6 mm <sup>2</sup>

### ENVIRONMENTAL CONDITIONS

Ambient air temperature	-25 ... +40 °C
Average temperature within 24 hours	< 35 °C
Storage temperature	-25 ... +40 °C
Altitude	max. 2.000 m above sea level
Relative humidity	max. 95 % (non-condensing)

### PERSONAL AND CIRCUIT PROTECTION (RCD / CB)

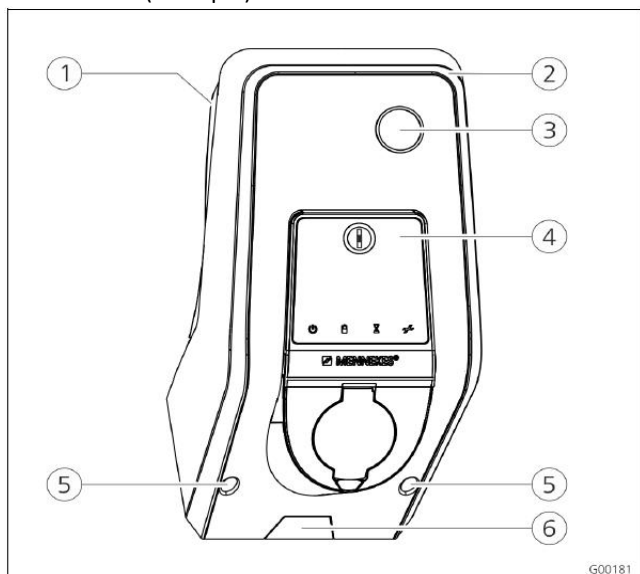
Version	RCCB type B	CB
Xtra, Premium (3,7 kW, 1 ph)	X	X
Xtra, Premium (11 kW / 22 kW, 3 ph)	X	X
Xtra E, Trend E (3,7 kW / 7,4 kW, 1 ph)	-	-
Xtra E, Trend E, Premium E (11 kW / 22 kW, 3 ph)	-	-
Xtra R, Premium R (3,7 kW / 7,4 kW, 1 ph)	X	-
Xtra R, Premium R (11 kW / 22 kW, 3 ph)	X	-

Note the following when connecting the charging station:

- Each charging station must be connected using a separate residual current circuit breaker (RCCB) (see IEC 60364-7-722)
- Charging stations with integrated residual current circuit breaker are delivered with RCCB type B.
- No other circuits may be connected to this residual current circuit breaker.
- For versions Xtra E, Trend E and Premium E, the residual current circuit breaker (RCCB) must be provided on site.
- For versions Xtra E, Xtra R, Trend E und Premium R the circuit breaker (CB) must be provided on site.

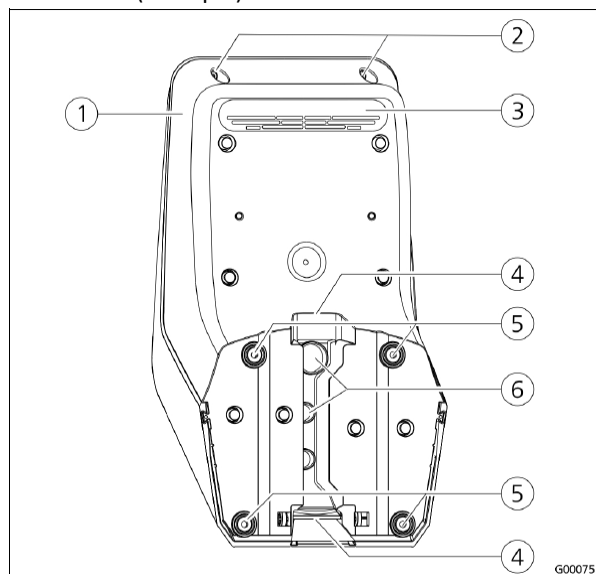
### ASSEMBLY

Front view (example)



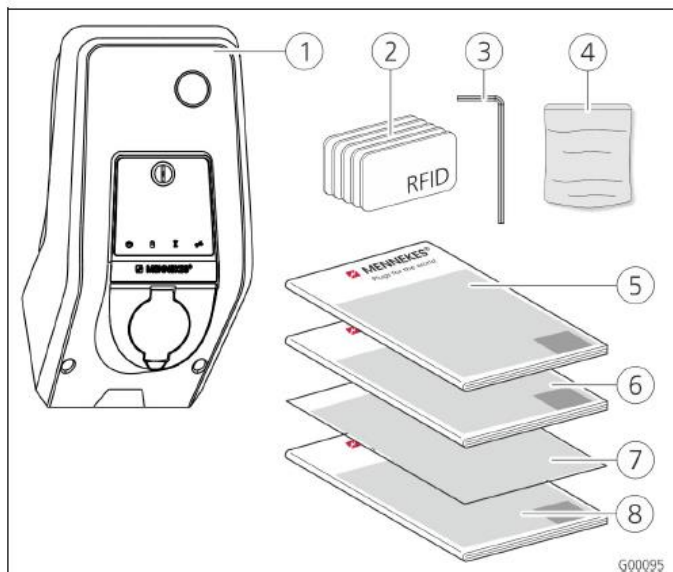
- ① Rear enclosure part
- ② Front enclosure part
- ③ Window for counter
- ④ Front panel
- ⑤ Fastening screws for front enclosure part
- ⑥ Predetermined breaking point for supply line / cable duct from below

Rear view (example)

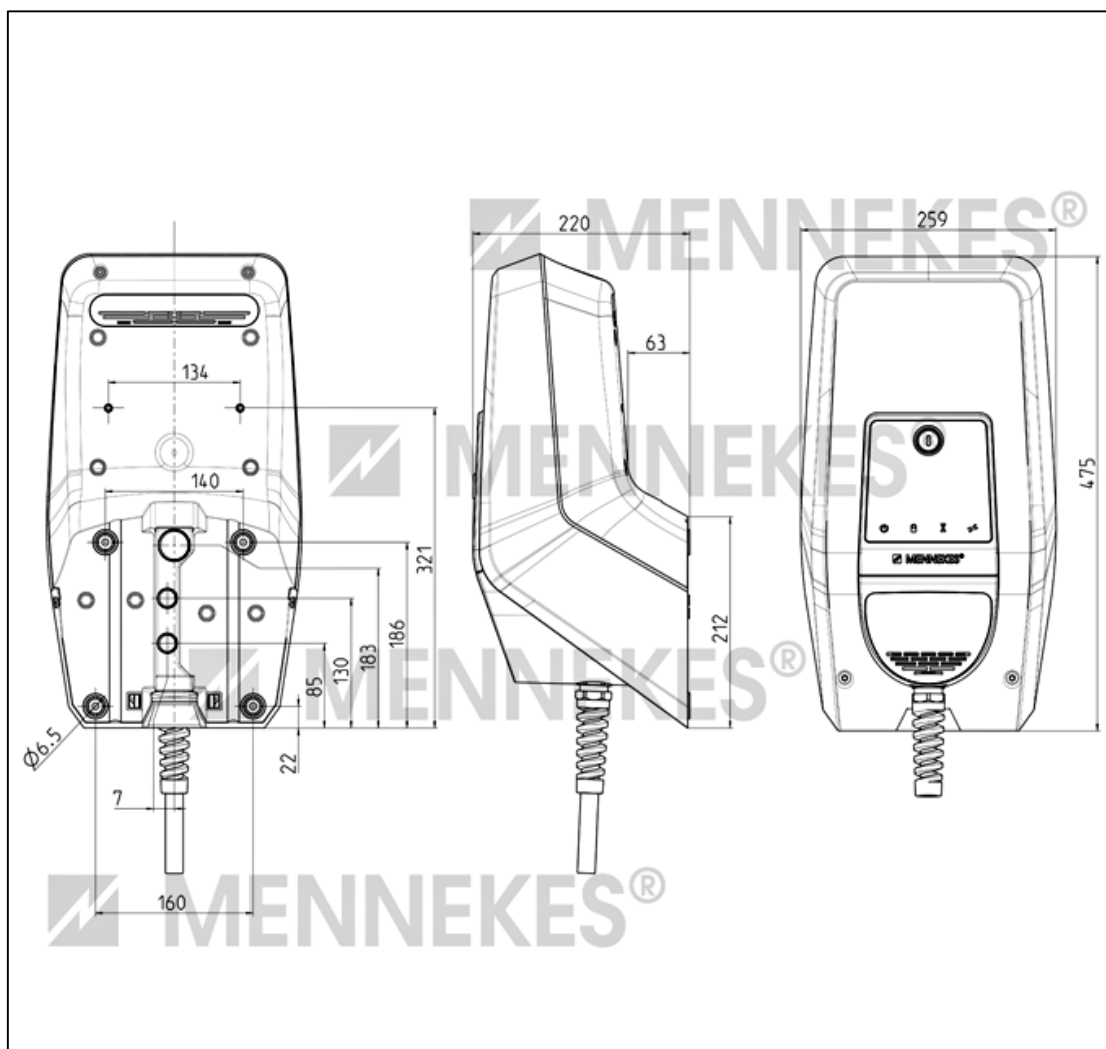


- ① Rear enclosure part
- ② Fastening screws for front enclosure part
- ③ Air outlet
- ④ Opening for cable duct
- ⑤ Fastening holes
- ⑥ Cable glands

### DELIVERY CONTENTS

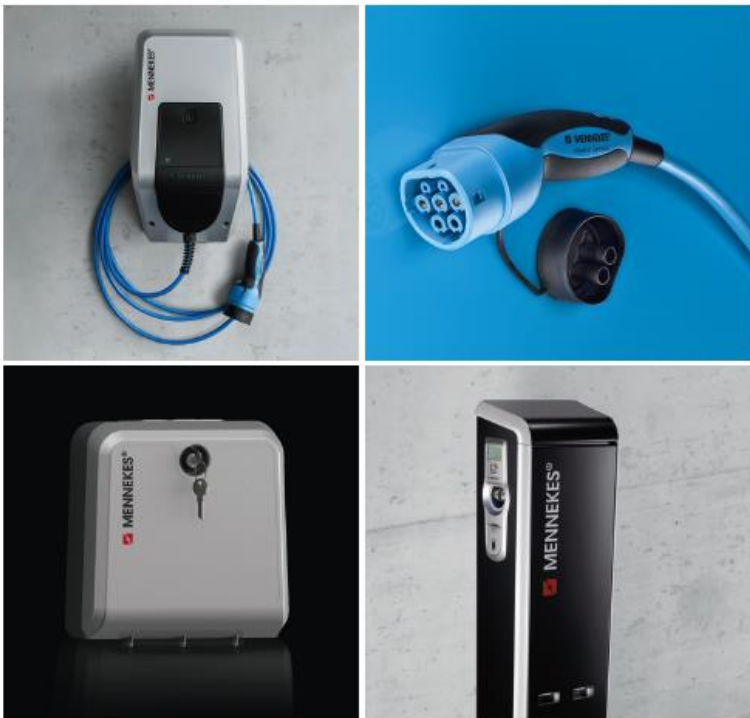


### DIMENSIONS





## CHARGE UP YOUR DAY!



Thousands of MENNEKES charging points are in daily use in Europe, delighting users in their diverse life situations.

As an innovative leader we offer a broad portfolio of charging solutions for the private and public applications



Charge up your day with MENNEKES, the specialist for  
**Intelligent eMobility charging solutions.**

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