

# Other instruments / adapters / accessories

## A 1631 EV monitoring cable



The A 1631 EV monitoring cable is a special accessory designed for CP signal, current and voltage monitoring during Electric Vehicle (EV) charging process in conjunction with supported Metrel testers and adapters. It is equipped with a Type 2 female plug connector to connect to an EV and a Type 2 male socket outlet for connecting to Electrical Vehicle Supply Equipment (EVSE).

### KEY FEATURES

- Monitoring during a.c. EV charging with up to 32 A EVSE:
  - CP signal communication monitoring during charging;\*
  - PP resistance;
  - Current;
  - Voltage;
- Possible to connect instruments for current and voltage verification (i.e. MI 2883 Energy Master, MI 2884 Energy Master XA);
- Possible to simulate external load (up to 13 A) via banana plugs and verify EVSE counters.

### STANDARDS

#### Functionality:\*

- EN 61851-1;
- HD 60364-6;
- EN 60364-7-722

#### Electromagnetic compatibility:

- EN 61326

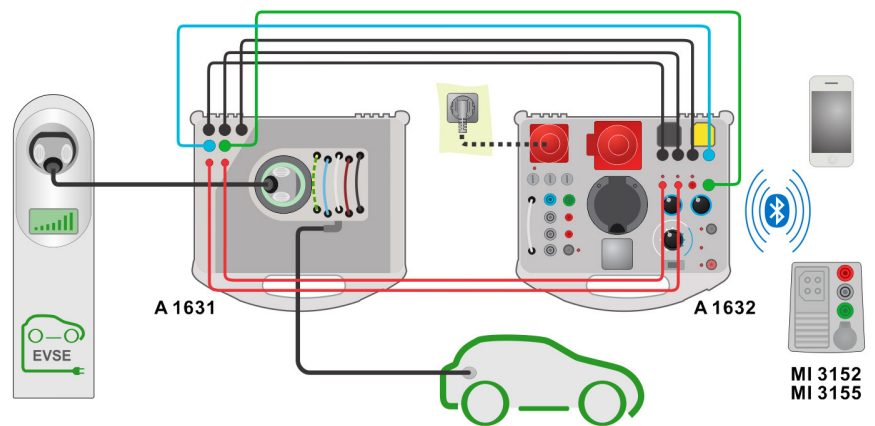
#### Safety:

- EN 61010-1;
- EN 61010-2-030;
- EN 61010-031

\* Requires: A 1632 eMobility Analyser and MI 3152 EurotestXC or MI 3155 EurotestXD.

### APPLICATION

- Monitoring of the EV charging process.



## TECHNICAL SPECIFICATION

Measurement functions	Value
Max. charging current of a.c. EVSE with Type2 connectors	32 A
Max. external load during EV simulation via banana plugs	13 A
<b>General</b>	
Mains power supply	230 V / 400 V 3~ ± 10 % 50 Hz - 60 Hz, 60 VA 32 A
Protection category	300 V CAT II
Measuring category	300 V CAT II
Degree of protection	IP 65 (case closed) IP 40 (case open)
Dimensions (W x H x D)	36 cm x 16 cm x 33 cm
Working temperature range	-10 °C ... 50 °C
Maximum relative humidity	90 %RH (0 °C ... 40 °C), non-condensing
Working nominal altitude	up to 3000 m

## ORDERING INFORMATION



### Standard set A 1631

- A 1631 EV monitoring cable
- Test lead, 1,5 m, 5 pcs (black - 3 pcs, green - 1 piece, blue - 1 piece)
- Test cable with 2 mm banana plug, red, 1 m, 2 pcs

\* The eMobility App can be downloaded free of charge from Android Market.

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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.  
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