

Insulation Monitoring device for DC charging station

IMD, TYPE IM-04DCCT, IM-04DCCT_24, HVC-10, HVC-10.20

IM-04DCCT, HVC-10, HVC-10.20



NEW!

UL FFUQ2 / FFUQ8 certificate E537926

- IM-04DCCT.UL
- IM-04DCCT_24.UL
- HVC-10

- Designed to be used in demanding environments
- Measures the insulation resistance and capacitance of AC/DC networks
- Detects also symmetrical insulation faults
- Suitable for different application fields, for example
 - Electric vehicle DC charging stations
 - DC networks
- Nominal system voltage 0...1000 VDC
- N/C and N/O selectable
- Modbus RTU
- Automatic adaptation to the system leakage capacitance up to 5 uF
- Selectable start-up delay
- Possibility to inactivate the measurement by Modbus
- According to the standard IEC 61851-23

Power supply specifications

Nominal Input voltage (IM-04DCCT)	110-240 VAC, 110-300 VDC
Nominal Input voltage (IM-04DCCT_24)	24 VDC +/-10%
Line frequency	15 - 460 Hz

Measurement specification

Maximum input voltage	1000VDC / 690 VAC
Resistance measurement range	10kΩ...600kΩ
Capacitance measurement range	100nF-5uF (HVC-10) 100nF-20uF (HVC-10.20)
System frequency	DC, 10Hz - 500Hz
Start-up delay	0...60 s

Alarm contacts with settable limits (potential free changeover, N/C and N/O selectable)

Alarm contact	5A at 250VAC
Pre-alarm contact	5A at 250VAC

Other functions

Compatible also with 3 phase IT networks

RS-485 serial connection with Modbus RTU for remote monitoring / controlling

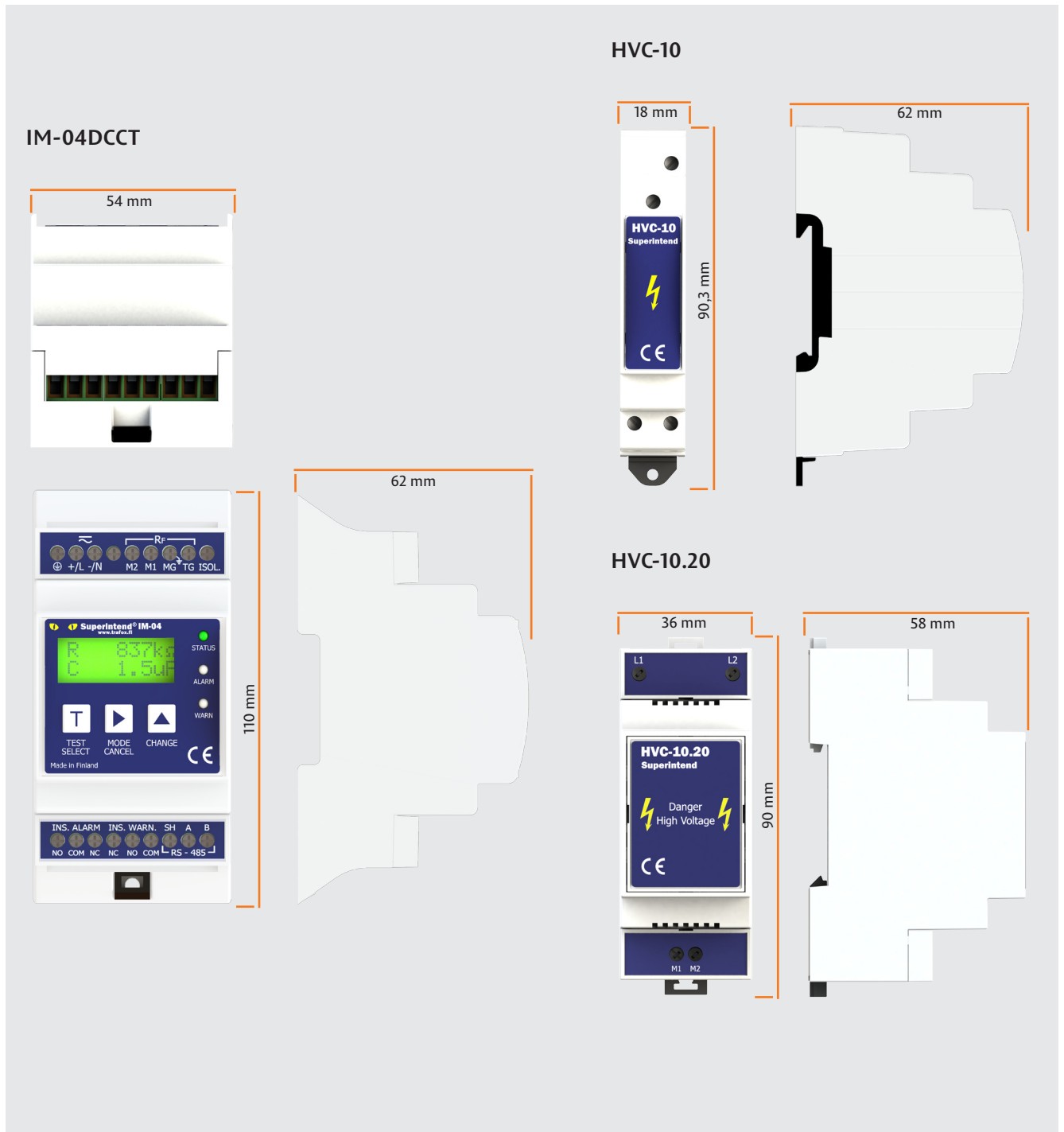
Easy and explanatory user interface	LEDs and backlit LCD display
Self-testing automatic	Periodic
Self-testing immediate	With TEST button

Standards

Measurements	IEC 61557-8:2014
Safety	IEC 61010-1:2010 (3 rd Edition), IEC 60664-1 and IEC 60664-3
EMC	IEC 61326-2-4, CISPR 11 / EN55011, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-11
DC ELECTRIC VEHICLE CHARGING STATION	IEC 61851-23
UL FFUQ2 / FFUQ8 certificate E537926	• IM-04DCCT.UL • IM-04DCCT_24.UL • HVC-10

General

Dimension (W x L x D)	IM-04DCCT	54 x 110 x 62 mm
Case Material	Plastic	
Mounting interface	DIN rail clamp or screw mounting	
Tamb	-25 °C ... + 70 °C	



Muuntosähkö

Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

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