

- HV Adaptor for AC Insulation Guards and Transducers for use in Isolated Networks (IT-Net)
- Up to 28kV Line Voltage
- Creates safety barrier from live HT network to LV switchboard
- Limits measuring output signal to safe levels
- No restrictions on distance between adapter and LV switchboard

## Specifications

### 3 phase connection:

AR7	Up to 7,6kVAC
AR14	Up to 14kVAC

### Neutral connection:

AN7	Up to 7,6kVAC
AN14	Up to 14kVAC
AN25	Up to 25kVAC
AN27	Up to 27kVAC

**Frequency:** 40 to 400Hz

**Temperature:** -10 to +55°C

**Ingress Protection:** IP00

### App. Weighth:

AN7B	7,5kgs
AR7	8,5kgs
AN14B	12,5kgs
AR14	16,5kgs
AN25B	23kgs
AN28	23kgs

### Internal Resistance:

AN7B	1,65 Mohm
AR7	1,65 Mohm
AN14B	3,9 Mohm
AR14	3,3 Mohm
AN25B	3,3 Mohm
AN28	3,6 Mohm

## Description

Voltage adaptors ARx or ANx are used together with insulation Guard KPM165x and KCM165x or insulation transducer MCM165x, for monitoring of line voltage from 0-28kV.

The adapters are a passive low-pass filter for use in 50, 60 or 400Hz networks, and is potted in polyurethane.

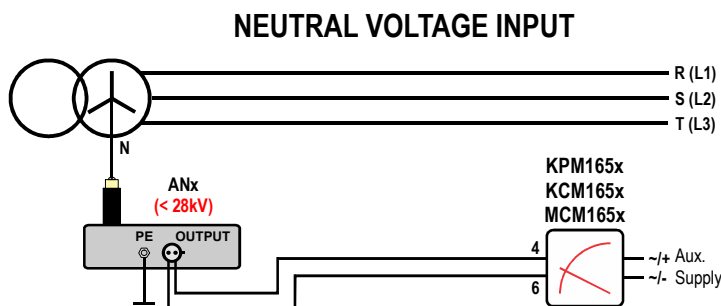
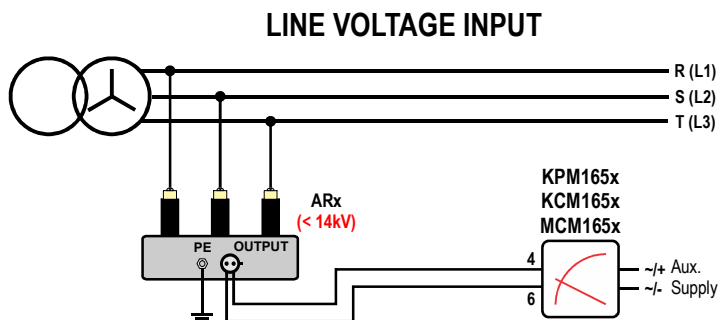
The unit includes high inductance reactance modules, connected in a special configuration to avoid DC saturation. The Adapters maintains a high AC suppression of its signal output to very low, safe levels, under all conditions.

Alternative connections to the AC network are shown below. Connection to the star-point (Neutral) is preferable.

## Caution

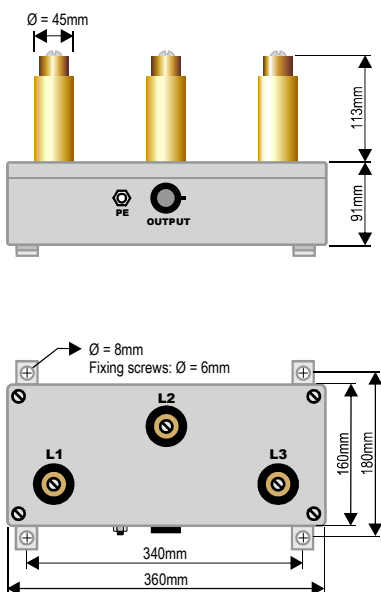
HT-terminals must be disconnected during "megger" test.

## Principle connection

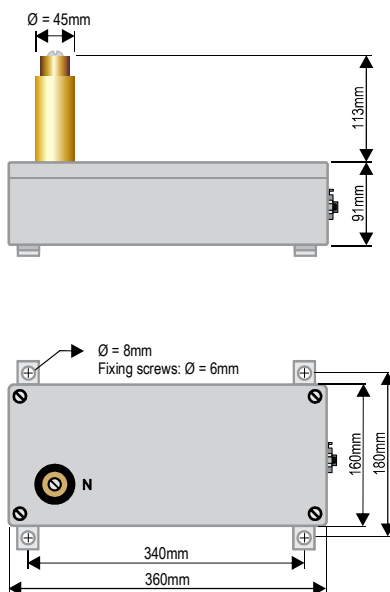


## Dimension and mounting

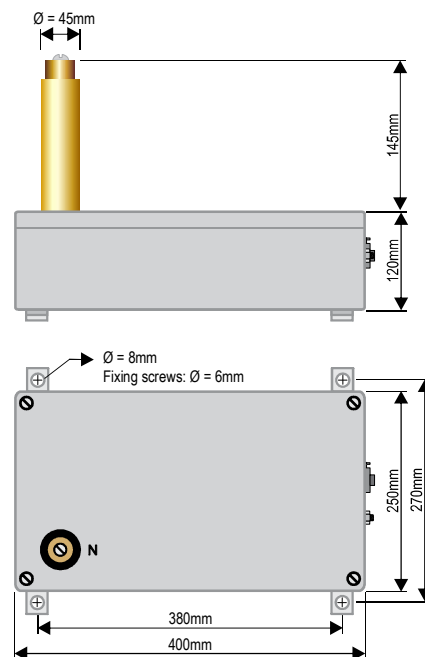
### AR7



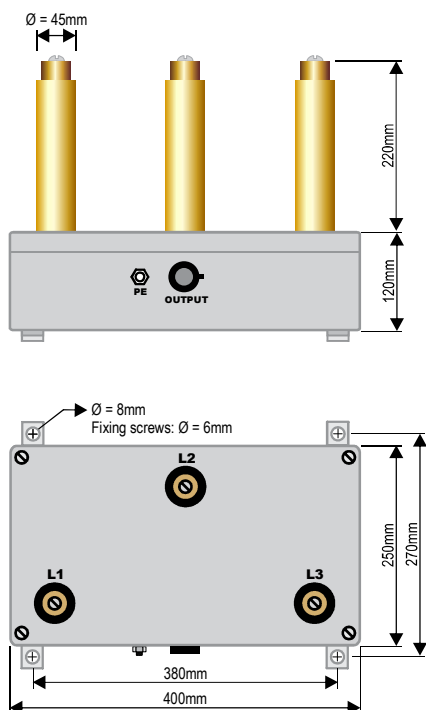
### AN7B



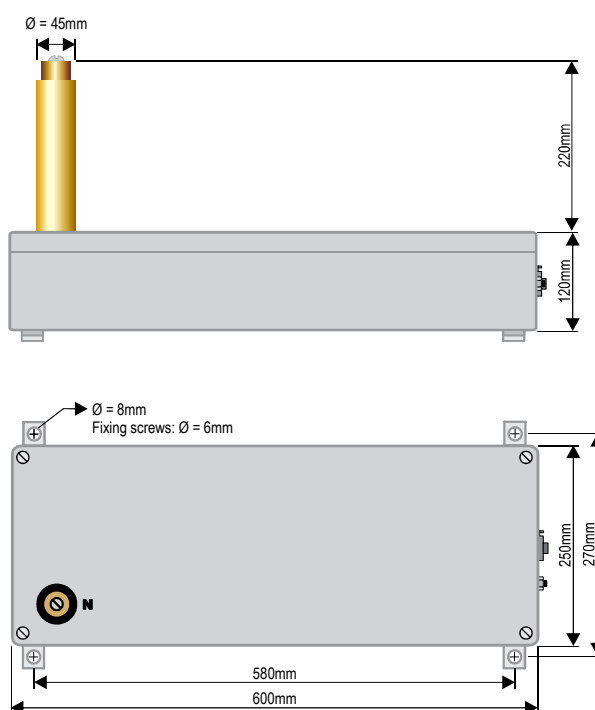
### AN14B



### AR14



### AN25B & AN27



The MEGAcon policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.

#### ORDERING INFORMATION

Product type :  
Network voltage :  
Example : AR14, 6000 VAC

**IS**  
range