

The **Precision Electronically Compensated Voltage Transformer CMR-U** is universal small-sized electronically controlled precision voltage transformer for galvanically isolated voltage transmission. The unity voltage ratio is dedicated for testing single-phase electricity meters with closed current and potential circuits.

The CMR-U 1110 is constructed as universally applicable standalone unit with easy implementation to any existing test bench system. The unit has negligible additional power loss therefore no power increase is needed for closed link capability

The built-in active shielding between input and output eliminates capacitive current from input side to the isolated output device.



*Voltage Common Mode Rejecter **CMR-U***

### Highlights

- DIN rail mounting possibility.
- Accuracy class 0,05 and 0,02.
- Compensation of residual capacitive current from the input to output.
- Operation without external power supply.
- Unity transfer ratio of the unit enables simple user test of functionality and accuracy.
- Built-in short circuit, overload and misconnection protection.
- Easy user-friendly mounting, negligible power consumption and built-in protection permit simple extension of any meter test equipment by closed I-P link capability.



*Voltage Common Mode Rejecter **CMR-U** – application*

### Technical data

<b>Working Voltage Range</b>	150 V .. 300 V
<b>Frequency Range</b>	45 ... 65 Hz
<b>Output / Input Voltage Ratio</b>	1 : 1
<b>Max. Output Power</b>	20 VA
<b>Max. Amplitude Error / Max. Phase Error</b> <i>(within Working Voltage Range)</i>	0,05 % / 0.03 ° for CMR-U 1110A 0,02 % / 0.012 ° for CMR-U 1110E
<b>Max. Residual Capacitive Current</b>	5 µA
<b>Power Supply</b>	From input signal (no extra supply needed)
<b>Internal Power Consumption</b>	< 2 VA
<b>Protection</b>	Overload, Short Circuit, Misconnection
<b>Size</b>	180 x 150 x 60 mm
<b>Weight</b>	approx. 2,7 kg

## Connection diagram

