

 SYSTEMS

Before installing current transformers you must know the following:

- Diagram 2

Diagram 3

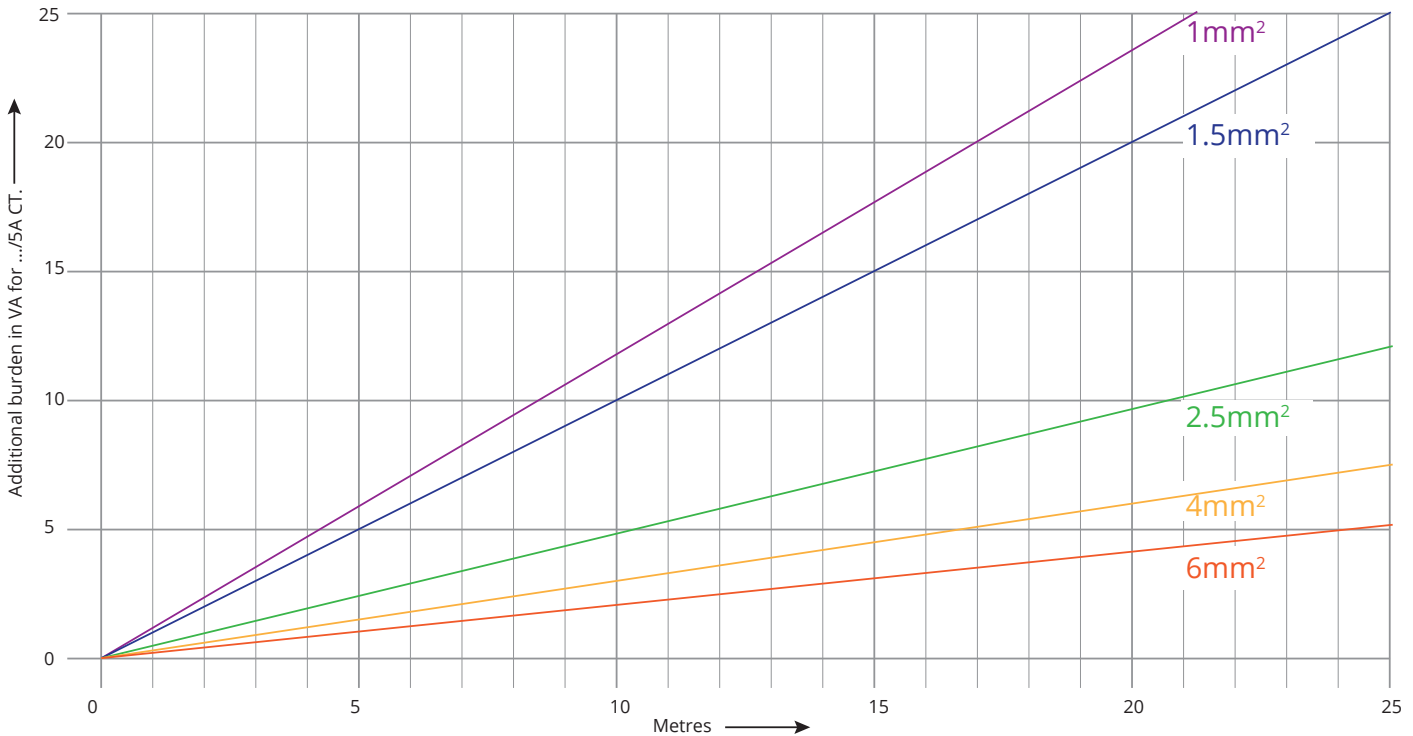
3 phase 4 wire

VA rating

The V.A. rating is critical information for installing the current transformer, It dictates what SIZE cable to use for the distance the current transformer is installed from the meter. See chart below as an indication only. The chart indicates the VA rating on the left and distance along the bottom. The chart is indicating the cable size when selecting the current transformer.

NOTE: Every meter has a VA burden, for Autometers electronic meters allow 1 VA.
Enter this in your calculation when checking current transformer VA and cable size for distance.

Graph showing cable size requirements over distance related to the V.A. rating of the current transformer



The current transformers should always be secured using the fixing feet or the bus bar clamps provided.

Electrician

The meter and current transformers should only be installed by a fully qualified electrician.

It is the installer who is fully responsible for the safe installation of this meter. It must be installed to meet the current electrical regulations.

EMC Installation Requirements

Whilst this unit complies with all relevant EU EMC (electro-magnetic compatibility) regulations, any additional precautions necessary to provide proper operation of this and adjacent equipment will be installation dependent and so the following can only be general guidance: Avoid routing wiring to this unit alongside cables and products that are, or could be, a source of interference.

It is good practice to install sensitive electronic instruments that are performing critical functions in EMC enclosures that protect against electrical interference causing a disturbance in function.

WARNING

During normal operation, voltages hazardous to life may be present at some of the terminals of this unit. Installation and servicing should be performed only by qualified, properly trained personnel abiding by local regulations. Ensure all supplies are de-energized before attempting connection or other procedures.

Terminals should not be user accessible after installation and external installation provisions must be sufficient to prevent hazards under fault conditions.

This unit is not intended to function as part of a system providing the sole means of fault protection - good engineering practice dictates that any critical function be protected by at least two independent and diverse means.

Never open-circuit the secondary winding of an energized current transformer.

If this equipment is used in a manner not specified by the manufacturer, protection provided by the equipment may be impaired.

AUTOMETERS

SYSTEMS



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