

Pulse Duration



Pulse Duration time option 200, 100, 60mS
Default : 100mS

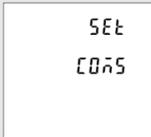
Use **PFHz MD** and **P** to enter Pulse duration routine.

Long press **E**, the setting will flash. Use **PFHz MD** and **P** to choose Options.

And long press **E** for confirmation.

Press **Ph S** to return the Pulse Duration set up menu.

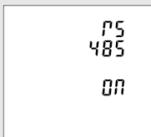
Communication (RS 485 Modbus)



The RS485 port can be used for communications using Modbus RTU protocol. Parameters such as Address, Baud rate, Parity, Stop bit can be selected.

Long press **E** to enter the Address option.

Communication status



Indication only

Address



An RS485 network can accommodate up to 255 different devices, each identified by an individual address. The Modbus address range on the HT-1095 is between 001~247

Default setting from Autometers is 001

Long press **E** to enter the selection routine.

The address setting will flash. Use **PFHz MD** and **P** to increment or reduce the number.

Long press **E** for confirmation.

Baud rate



Baud rate options: 2400 4800 9600 19200 38400 (bps).
Default: 9600bps

From the Set-up menu, Use **PFHz MD** and **P** to select the Baud rate options.

Long press **E** to enter the selection routine.

The Baud Rate setting will flash. Use **PFHz MD** and **P** to choose Baud Rate.

And long press **E** for confirmation

Parity



Parity Options: NONE, EVEN, ODD.

Default Parity : EVEN

Note that if parity is set to ODD or EVEN, Stop Bits will be set to 1 and cannot be changed.

From the Set-up menu, Use **PFHz MD** and **P** to select the Parity options.

Long Press **E** to enter the selection routine.

The Parity setting will flash. Use **PFHz MD** and **P** to choose Parity.



Example shows:
Set Parity: EVEN

And long press **E** for confirmation.

Press **Ph S** to return the main set up menu.

Electrician

The HT-1095 panel meter should only be installed by a fully qualified electrician who has knowledge of electricity meters connected with current transformers.

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 concerning installation of panel meters.

EMC Installation Requirements

Please see full installation brochure for details - visit autometers.co.uk

Wiring Information

Power Supply

The HT-1095 receives its power from any one of the voltage connections and Neutral.

Wiring

Electrical and communication connections are made directly to the back of the meter.

The electrical connections of voltage, current and Pulse output are made directly to the back of the meter. The RS 485 Modbus connections are at the top on the side of the meter.

All terminals are green in colour and can be unplugged, The current terminals are screwed in but can be unplugged if the screws are removed

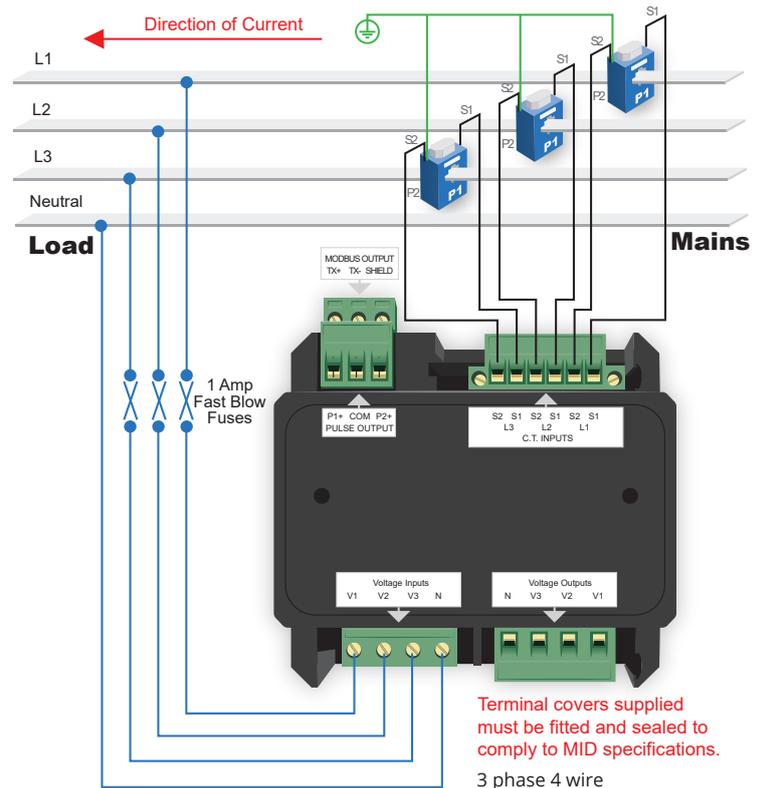
Electrical Connections

2.5mm flexible stranded cable is recommended for all main electrical connections. For the low voltage communication connections we recommend a twisted shielded cable Belden 9841 2 wire or 9842 4 wire or equivalent. Phasing and polarity of the AC current and voltage inputs and their relationship is critical to the correct operation.

Dimensions

The meter is a 96 x 96 mm panel mounted meter with a depth of 70mm
The cut out hole for the panel meter is 92 x 92 mm.

Wiring Diagram for 3 phase 4 wire



For full installation brochure please visit autometers.co.uk