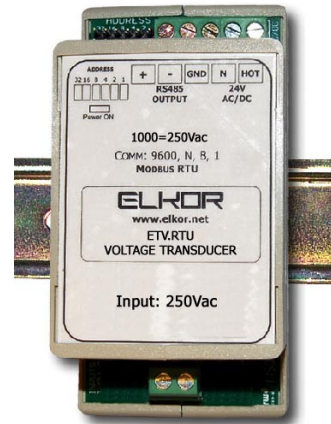


## MODBUS-RTU AC VOLTAGE TRANSDUCER

### FEATURES:

- ◆ True RMS, accurate measurements.
- ◆ RS485 Communication.
- ◆ Easily addressable (up to 63 devices).
- ◆ Compact Size, Easy Wiring, DIN Mounting.
- ◆ Ideal for Monitoring and Energy Management Applications.



### APPLICATION:

The ETV.RTU transducer offers inexpensive yet accurate true RMS monitoring of AC voltage up to 300Vac.

This unique product is ideal as a precision AC transducer for Control and Energy Management applications.

The ETV.RTU features an internal isolation transformer and accepts up to 300Vac directly.

### PRODUCT DESCRIPTION:

The ETV.RTU is a microprocessor based precision voltage transducer that performs true RMS voltage measurements in single-phase circuit applications.

The ETV.RTU measures AC voltage up to 300V and provides output data (via RS485 port) that is proportional to the RMS voltage measured on the input. The transducer utilizes the Modbus-RTU protocol.

The ETV.RTU may be powered by 24 VAC/VDC and housed in a universal DIN mount enclosure.

### SPECIFICATIONS:

|                           |                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Power Req.:</b>        | 24 VDC/VAC, 2 VA<br>(for AC; a dedicated Class 2 transformer is recommended)                                      |
| <b>Voltage Input:</b>     | 250Vac nominal (300Vac max)                                                                                       |
| <b>Output:</b>            | RS485 digital communication port. Up to 63 devices may be served by one line. 9600, N, 8, 1, Modbus RTU protocol. |
| <b>Accuracy:</b>          | TRMS, 0.5% FS, output resolution 10 bits.                                                                         |
| <b>Isolation:</b>         | Input/Output - 4kV AC/ 1 minute                                                                                   |
| <b>Temperature Range:</b> | Standard: 0-70°C<br>Industrial (optional): -40°C to 80°C, conformal coated.                                       |
| <b>Indication:</b>        | Power - green LED.                                                                                                |
| <b>Mounting:</b>          | DIN Rail - universal DIN attachment mounted on the back of enclosure; dim. h=3.75" w=2" d=2.25" (95x50x60mm).     |

### ORDERING INFORMATION:

ETV.RTU fully describes this product