

# Distribution Management Solutions From Telescada

## NeXGen™ LVM-142

Line Voltage Measurement Instrument



### PRODUCT BRIEF

The Telescada NeXGen™ LVM Series - Line Voltage Measurement instruments provide a powerful, flexible and economical solution for 2-Way wireless Single and 3-phase electric line voltage measurement, monitoring, alarming and recording.

The NeXGen™ LVM Series meets the needs of distribution engineers for the monitoring, recording and alarming of distribution line voltage.

The NeXGen™ LVM-142 provides users with single phase AC line voltage measurement accurate to +/- 1% at 117VAC. The NeXGen™ LVM-142 also provides 4 independent digital status points that can be configured as 2 sets of KYZ pulse accumulators.

The NeXGen™ LVM-142 can also transmit data from proximate IEDs (intelligent electronic devices), via its DNP3, RS-232 serial communications link.

The native Store and Forward repeating capability of the NeXGen™ LVM-142 allows the instrument to extend the radio range of your network of DNP devices when using licenced radio communications.

#### ■ AC Line Voltage Measurement Input

- Single Phase Line Voltage
- \* Three Phase Line Voltage (model LVM-342)
- +/- 1% accuracy @ 117VAC
- Line Voltage Alarming
- Line Voltage Data Recording
  - User Configurable Sampling
  - MIN/MAX/AVE Voltage Data

#### ■ Digital Inputs

- 4 (four) Optically Isolated Digital Inputs as,
  - 2 (two) KYZ Pulse Accumulators, or
  - 4 (four) General Purpose Status Inputs
- Data Recording on Each Channel
- Alarming On Each GPIO Status

#### ■ Communications

- 1 (one) RS-232 IED Communication Port
- 1 (one) RS-232 Shared Remote/Local Programming Communication Port
- DNP3.0 Protocol Standard
- Store and Forward Repeating / Routing in Radio Communications Mode

#### ■ Power Supply & Physical Form Factor

- 120, 240, 480 VAC Input Options
- 7.5 x 6.0 x 3.0" NEMA 4X Enclosure

#### ■ Environmental

- Operating Temperature range: -40° to +80°C
- Storage Temperature: -40° to +90°C
- Humidity: 93% non-condensing at 55°C

**Monitor, Alarm, Record, Communicate and Control**

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