

Reliable & Flexible

Vision's XT meter platform is robust and feature packed. This is a loaded meter with all the functions included at no extra charge. The XT platform has been in production since 2012 and is available in all meter forms from 1S to 45S. The only thing that changes is the meter's base.

All XT Meters are programmable with Vision's 2020 software which is free if you purchase the meters. The XT platform is available with communications modules such as Landis + Gyr's Airpoint, Vision's Data on Demand, Verizon's Gridwide, LoRa, Cat M1 and 4G modem meters and other third party communications modules.

All Vision meters comply with ANSI C12.18, C12.19, C12.20, & C37.90. The Forms 2S, 12S and 16S are also available in a UL listed version. All XT meters regardless of form operate with the same firmware version.

Meters equipped with Cat M1 or 4G modems can be read and programmed with Primestone's Primeread, Itron's MV-90, Vision's 2020 and Endsight software.

Meter Forms 1S, 2S and 12S meters are available with a 200 amp disconnect switch. When equipped with a switch, the secondary voltage is monitored so that the switch cannot be closed if there is voltage present on the secondary side of the meter.

The highest quality plastics are used in the base, cover and bezel. The grey bezel is being replaced with a white bezel to reduce internal heat. Batteries are not used in modem or LoRa meters, but are available on meters without a time source.

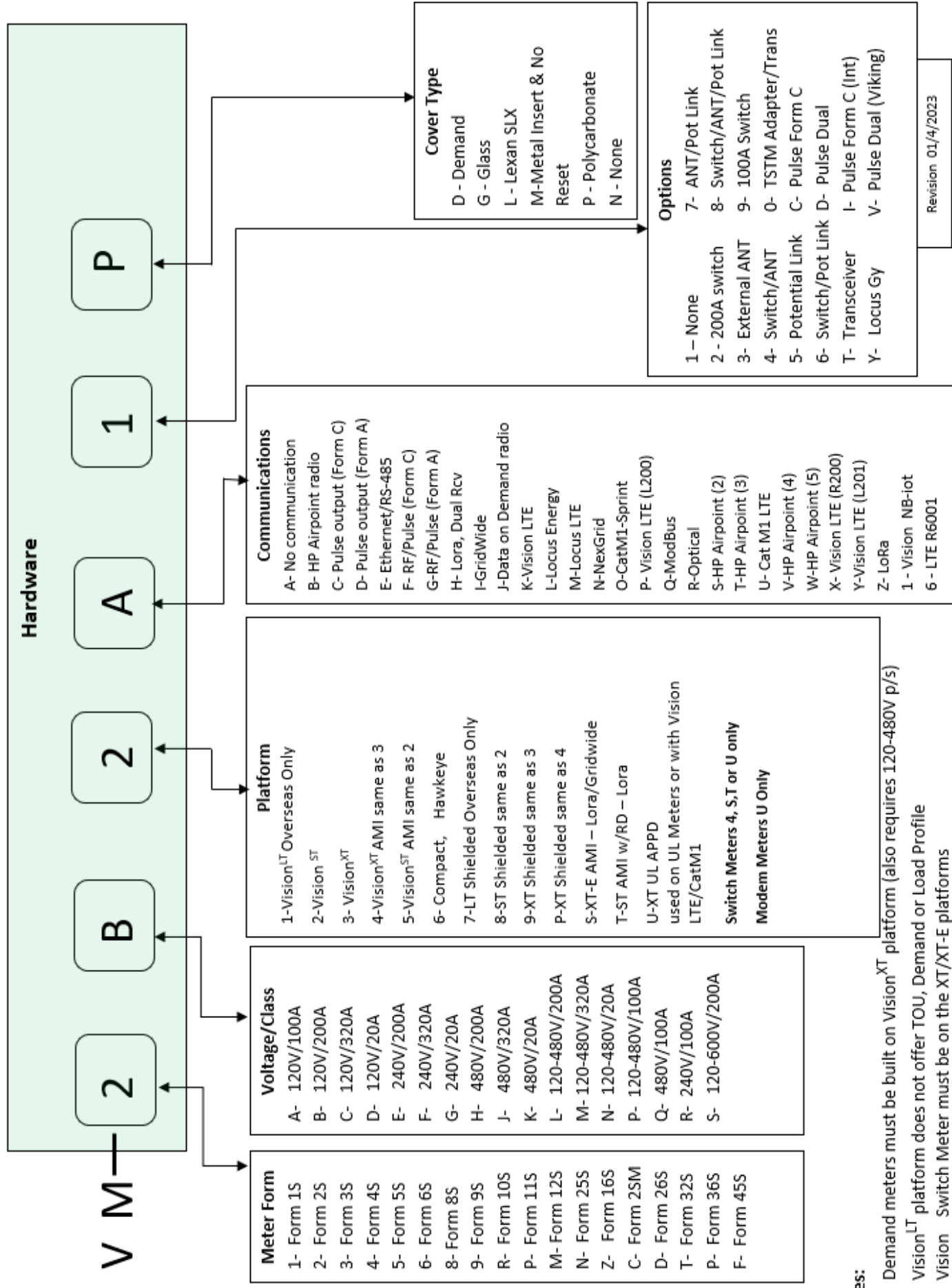


All XT Vision Meters Include

- Time of Use
- KW & KVAR Demand
- Continuously Cumulative Demand
- 12 Channels of Load Profile
- Net Metering
- Reactive Metering
- Four Quadrant Metering
- Event Log
- Voltage Power Quality



Vision Meter Catalog Number Guide



Notes:

1. Demand meters must be built on Vision^{XT} platform (also requires 120-480V p/s)
2. Vision^{LT} platform does not offer TOU, Demand or Load Profile
3. Vision Switch Meter must be on the XT/XT-E platforms

GENERAL XT SPECIFICATIONS

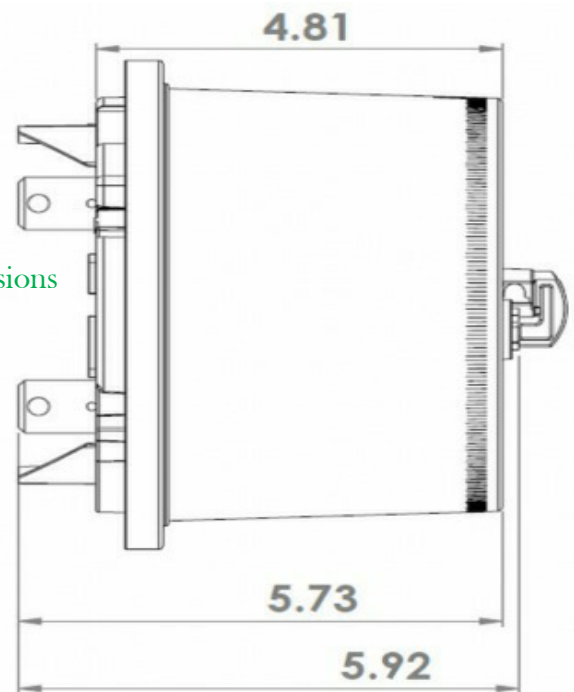
- ANSI C12.18, C12.19, C12.20, & C37.90.1 Compliant
- Utilizes Magnetically Shielded Current Transformer(s) for Current Measurement
- 120 480 VAC Input Voltage
- LCD Display is soldered to the board
- 12 Channels of Load Profile,
- Time of Use
- Demand, KW & KVAR
- Reactive Metering
- Four Quadrant Metering
- Event Log
- Delivered, Received and Net Metering
- Alternate Mode with programmable display values
- Accuracy Class $\pm 0.2\%$
- Shipped with Accuracy better than $\pm 0.15\%$
- Designed for 20 Year Life
- Battery options for Display, Ram, and Clock
- Continuous Instantaneous KW
- Uses Vision 20/20 Software for Programming (included with the purchase of meters)
- 50/60 Hz $\pm 5\%$
- Utilizes Maxim Teridian Technology
- 100 & 200 Amp Switch Option
- 30 Digit User Defined Security Key
- 40 to $+85$ Degree C Operation
- 5 to 95% Relative Humidity
- Functions with Itron's MV90 System.
- Code Numbers assignable to Display Values
- All plastic materials meet or exceeds UL Requirements

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No Extra Charge for Any Features

XT-E
Dimensions



XT-E ADDITIONAL SPECIFICATIONS

- Power supply capable of 10 watts @ 4 volts
- Switching circuits for high current switches on main PCB
- Zero crossing circuit for power outage detection

EVOLUTION LTE ADDITIONAL SPECS

- AES 256 Security with Certificate Handling
- Meter/Modem Power Consumption 3.6 watts idling, 6 watts at maximum transmitting
- Designed for multiple wireless systems.

LCD Display Layout



2020 Programming Software

File Phasor Diagram Meter Error List Application Settings Help

Configuration Settings Display AMR/AMI Keys TOU Load Profile Event Log Manage Users

Meter Date: 3/15/2016 Meter Settings # 0 Serial Number: 10133000
Meter Time: 3:53:09 PM ERT Number: 0
Meter Temp: 23.5°C Firmware Version: 4.051 Meter Form: 2S
TOU Off Update Firmware Battery - Not Installed
Switch - Not Installed
Cumulative Values
Cumulative Demand: 0.000 kW
Cont.Cumulative Demand: 0.000 kW
Demand Values Resets: 161
Max kW : 0
Max kVA : 0
Max kVAR: 0
Summation Values
kWh del : 0.000
kVAh del : 0.000
kVARh del : 0.000
Read Meter Meter ID NX 10133000
Include Self-Read Data Program Meter ID Validate Reset Meter
Reset Values Program Meter

Complete!

Vision 2020 Software is capable of programming all variables in the meter. Time of Use, Demand, 12 channels of Load Profile, Net Metering, Reactive and Four Quadrant Metering are programmable. Demand can be programmed for block, rolling, cumulative and continuously cumulative. Programs can be developed and stored under a specific Meter Settings #.

2020 is very intuitive and flows easily from screen to screen. All Vision Meters are supplied with everything included. The meter is only sold in one configuration "LOADED". Thus all functions in 2020 are available to be programmed.

2020 will run on Windows XP, 7, 8 & 10. Security is an integral part of 2020 with tasks selectable by the administrator for all users. Security between 2020 and the meter is also programmable by the administrator.

2020 is also used to communicate with Vision's XT-L LTE modem meters via the Internet.

When communicating with any XT meter it is possible to view the Phasor diagram while on site. The Phasor diagram will provide the voltage and current on all phases along with real and reactive power including the phase angle. It will also show the meter's serial number, form and version of firmware.

2020 is an ideal tool to read and store Load Profile Data. Data can be collected via the optical port, LTE modem or via the optional RS-485 port. Load Profile can also be read via Itron's MV-90 System.

File Phasor Diagram Meter Error List Application Settings Help

Configuration Settings Display AMR/AMI Keys TOU Load Profile Event Log Manage Users

Settings Tree View Spread Sheet View

Load Profile Settings
Number of Channels 12
Interval (minutes) 15
Read Load Profile Settings
Program Load Profile Settings
Reset Load Profile
Number of Days 31
Read Load Profile
Load Profile memory overwrite will occur after 42 days

