

Gold Miner PLUS LOAD



- **Remote wireless control with Bluetooth**
- **Demagnetization of CTs with burden up to 50 Ohms**
- **Voltage generation**



CT TESTER, CIRCUIT ANALYZER & METER TESTER WITH INTEGRATED LOAD GENERATOR

- Generate up to 15 Amps of Load on each phase
- Generate up to 50 Amps / 120 VA of Load on 1 Channel
- FL, LL, PF Meter Testing at +/-0.05% Accuracy
- Automatic CT Burden & Ratio tests for ALL Phases
- Demagnetization
- 3-Phase Real-time Vector Diagram and Analysis
- Primary & Secondary Measurements of ALL Phases
- Current & Voltage Waveforms
- Harmonics to the 50th
- And so much more!

VOLTAGE GENERATOR

- Controlled by Gold Miner PLUS LOAD via RS485
- Generate voltages from 20 to 600 VAC
- Output power 50 VA at 600 V / 300 V / 150 V
- Accuracy $\pm 0.1\%$ / Resolution 100 mV
- Weight 16.5 lbs

ANSI Testing of Meters in the Field: FL, LL, PF and much more!

With the Gold Miner™ PLUS LOAD, you can automatically test the accuracy of your meters at Full-Load, Light-Load, and Power Factor values with the push of a button. Generating up to 15 Amps (continuous) on each phase, or up to 50 Amps (continuous) on one channel, allows you to test transformer-rated meters, as well as self-contained meters. Just select a Test Plan, and see how the Gold Miner™ PLUS LOAD automatically sequences through up to 12 user-defined meter tests. You can even create up to 99 of your own Test Plans. And don't forget, the integrated 3-Phase Energy Standard is fully traceable to NIST, and has an accuracy of +/-0.03% over a wide range.

If there is no customer voltage, then you can simulate voltages with our Voltage Generator Box, which is fully controlled via RS485 from Gold Miner PLUS LOAD.

Simultaneous Primary & Secondary Analysis and Vector Diagrams

Gold Miner™ is the first to display both Primary and Secondary Vector Diagrams, and wiring verification with circuit analysis is performed on ALL phases at the same time. This eliminates misleading results you get with other devices, since load can change quickly. See all the diagrams, graphs and tables on our huge LCD display — you've hit the mother-load!

Automatic CT Burden & Ratio Testing of ALL Phases without Interruption

— Gold Miner™ is the FIRST —

With the push of a button, CT Burden and Ratio Tests are performed on all phases, without interruption. That's right... test all 3 CTs without moving probes! It's the fastest and safest way to test.

And if a CT is magnetized, you can quickly demagnetize it, without moving the duck-bills, with a burden up to 50 Ohms.

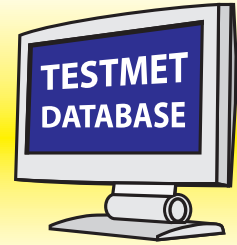
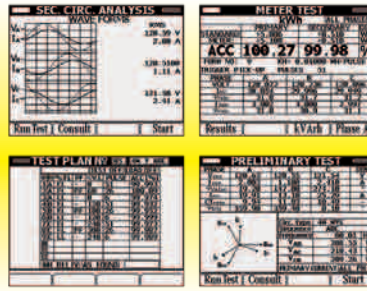
Test CTs Without Customer Load: Integrated Primary Current Generator

— Gold Miner™ is the FIRST —

How many times have you walked up to a site where there's not enough load to test the CTs or the Meter? With the Gold Miner™ PLUS LOAD, you can test them both! The Gold Miner™ PLUS LOAD is the first All-In-One device which can generate up to 50 Amps / 120 VA of continuous load through the primary of your measurement CTs, allowing you to run all your tests.

Want to Test Your 480V Services?

Well, of course you do! And the Gold Miner PLUS LOAD is the first All-In-One Analyzer/Tester with an Input Power rating of 530V. With the Gold Miner PLUS LOAD are you able to perform CT Testing, Wire Verification, Circuit Analysis, and Meter Testing directly sourced from your 480V Service.



Repeating a Test is Fast and Easy

Tired of being forced to re-enter set-up values over and over again, just to repeat a specific test-point? At testMET, we simplify your life! With the push of a button, you can repeat any test point on your selected Test Plan as many times as you want. You can also repeat your entire Test Plan. Calibrating a mechanical meter just got a whole lot faster and easier.

USB Port for Modern Data Transfer

Gold Miner™ PLUS LOAD stores upto 100 test sites in non-volatile memory, and uses the latest USB port technology, making data transfer a breeze. Then run the powerful testMET™ Database & Reporting Software on your computer to generate professional reports detailing the results of each site, and perform complex searches and filtering to manage your system.

Lab Test Current Transformers

Talk about versatility. You can even use the Gold Miner™ PLUS LOAD in your Meter Shop or Lab to test Current Transformers.



Specifications

CURRENT GENERATION

Current Outputs	3-Channels, 0.01 to 15A Continuous (0.01A resolution) 1-Channel, 0.5 to 50A Continuous (0.1A resolution) Output Power 120VA
Phase Angle	0 to 359.9° (0.1° resolution)
Harmonics	Less than 0.5% THD

MEASUREMENTS

Volts & Accuracy	3-Channels, Range from 20 to 600 V-rms Accuracy +/-0.03% typical, +/-0.05% max
Current Inputs	3-Channels for Flexible Probes (1000A) 3-Channels for Test Plugs (0.05A to 20A) 3-Channel for Sec. Current Clamps (100A) 1-Channel for HV Current Probe (2000A) 1-Channel for Aux. Flexible Probe (2000A) 1-Channel for Prim. Current Clamp (1000A)
Current Accuracy	+/-0.03% typical, +/-0.05% max. with Test Plugs
Energy Accuracy (with Test Plugs)	kWh Accuracy +/-0.03% typical (+/-0.06% max) kVAh Accuracy +/-0.03% typical (+/-0.06% max) kVARh Accuracy +/-0.05% typical (+/-0.1% max)

OTHER CHARACTERISTICS

Input Power	90V to 530V, 50/60 Hz, 180VA max
Data Interface	USB Port
BNC Output	0.02 Wh/pulse
BNC Input	High-Frequency pulses from external Energy Standard
Pick-Up Input	Reflective and Infra-Red
Temp. Range	+20°F to +120°F
Humidity	0 to 90%, non-condensing
Dielectric Withstand	2.3kV-rms, 60Hz, 60 seconds
Display	320x240 Backlit LCD
Memory	Stores Test Results for up to 100 Test Sites
Dimensions	20.6 inches x 17 inches x 8.2 inches
Weight	37 lbs. (with duck-bill cables) 33 lbs. (with limited power supply)

Standard Equipment

- ◆ The Gold Miner™ PLUS LOAD
- ◆ 3 Flexible Primary Probes (24 in. loop, 24 ft. length)
- ◆ 3 Test Plugs (Duckbills)
- ◆ 4 Voltage Leads + 1 Safety Ground
- ◆ 3 Secondary Current Cable Pairs
- ◆ Electronic pick-up for detecting the black mark of mechanical meters, or the pulses of solid state meters
- ◆ 1 IR magnetic mount pick-up for solid state meters
- ◆ 1 Hand-switch for meter testing
- ◆ 1 Rugged, Integrated Carrying Case
- ◆ 1 Li-Ion Battery Pack and Charger Kit

Optional Equipment

- ◆ 3 Flexible Primary Probes (36 in. loop, 24 ft. length)
- ◆ 1 HV Optical Current Probe (2000A)
- ◆ 1 Primary Current Clamp (1000A)
- ◆ 1 Primary Current Cable
- ◆ 2 Safety clamps for flat conductor bars
- ◆ 3 Secondary Current Clamps (100A)
- ◆ Tri-Pod Stand
- ◆ Battery Charger for Car or Van (12VDC)

testMET, Inc.

CALL: (952) 486-7653
Support: (858) 866-9010
Website: www.testmet.net
Email: sales@testmet.net

