



FineTest

www.finetest.com

Manual Test Systems



Functional ATE & Power Supply Testers



Military and Aerospace Test Systems

Functional ATE Systems

Power Supply Test Systems

Hi-Pot Test Systems

ESS / Burn-In / Vibration Monitoring Systems

Manual Test Systems

Test Fixtures and ITAs

Box Builds and Sub-Assemblies

Switching and I/O Cards

Custom Cabinets and Accessories



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Functional ATE & Power Supply Test Systems



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Manual Test Systems

*FineTest Manual Test Systems
are used for many diverse applications
including the following:*

*Military and Aerospace Power
Telecom Power Cabinets
Avionics Functional Test
Design Verification Test
Sub-Assembly and Board Test*



Manual/Automatic Test Station

MANUAL TEST SYSTEMS



Front view of Test Station

Application: Military AC/DC Power Supplies

Features: Manual (Touchscreen) and Automatic Operation
FineSoft on LabWindows CVI platform
3 Phase Motor Driven Transformer and Power Meter

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Close-Up showing Touchscreen Monitor for easy Manual Operation



Side View with Side Door Open showing Bus Bars, Control Relays, Resistive Loads Communications and Relay De-Bounce Cards easy access for service and maintenance



3 Phase 400 Hz Motor Driven Transformer

MANUAL TEST SYSTEMS

Avionics Manual Test Stations

MANUAL TEST SYSTEMS



Front view of Avionics Manual Test Station #1

Application: Avionics Manual Test Station

Features: Manual Switches for UUT Digital I/O and Control,
Loads On/Off, Power On/Off,
Multiple Test Point Connections to Scope or DMMs
Computer Communication to UUT, Fixture with Safety Cover





Front view of Stations #1 and #2



Interface Unit is on Slide-Out Shelf,
with removable Top and Front Door

Manual Tester for Telecom Power Cabinets

MANUAL TEST SYSTEMS

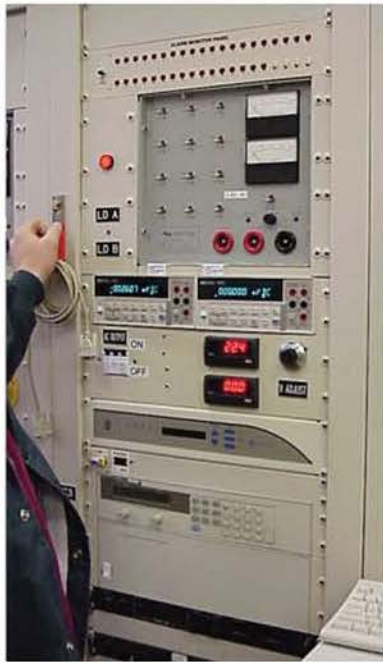


Front view of Manual Cabinet Tester

Application: Telecom Power Cabinets
High volume production test

Features:

- Resistive Loads
- 2 Digital Multimeters
- RS485 communications for EEPROM programming
- 2 DC Power Supplies
- Electronic AC Source
- Flashing Safety Light
- LED UUT Alarm Status Panel
- Computer for Document Retrieval and Data Collection



Manual Adjust of Equipment



Manual Tester #1 with a Power Cabinet Connected



Tester #2 on Production Floor



Connecting a Power Cabinet for Test



Manual Tester #1

Manual Tester for Telecom Power Cabinets continued...

MANUAL TEST SYSTEMS



Front view of Manual Cabinet Tester



Flashing Lamp and UUT Alarm Panel



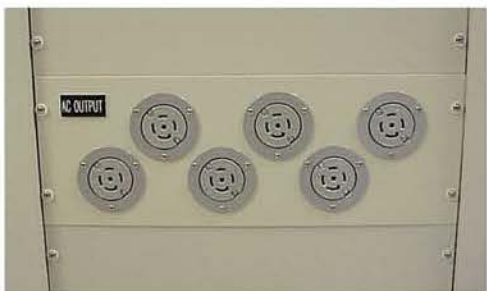
Resistive Load A



AC and DC Sources



DMMs, AC Adjust, On/Off, & Meters



AC Outputs



DC Out & DMM Test Point Select

Telecom Power Cabinet Manual Tester in 2 Racks



Front view 2 Rack Cabinet Tester



Cabinet Tester in Production



Testing a Power Cabinet in Production

MANUAL TEST SYSTEMS

Telecom Power Cabinet Manual Tester in 1 Rack

MANUAL TEST SYSTEMS

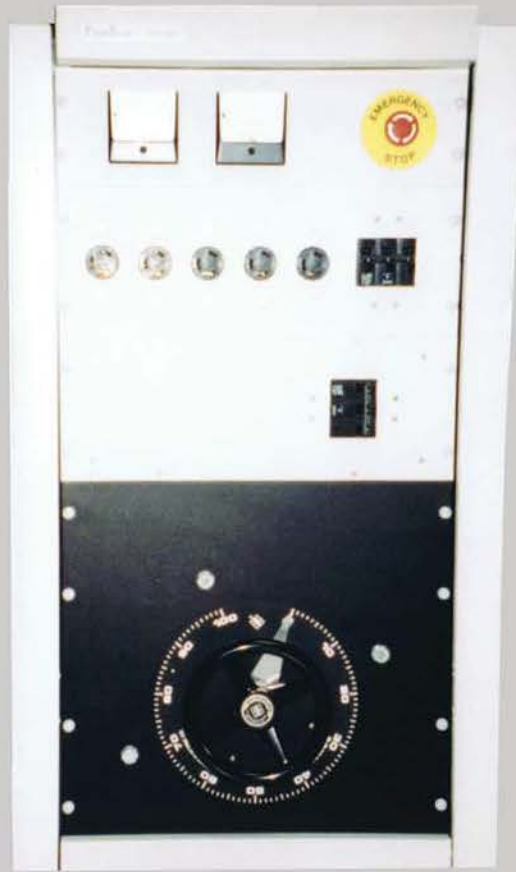


Front view of Tester

Application: Telecom Power Cabinets
High volume production test

Features: Resistive Load
2 Digital Multimeters
DC Power Supply
Switched AC Outputs

Manual AC Tester for Telecom Power Repair



MANUAL TEST SYSTEMS

Front view of Manual Tester



Rear view of Manual Tester

Application: Repair Bench Test
Production Test

Features: Manual Variac AC Transformer
AC Voltage and Current Meters
Multiple AC Outputs

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Manual Tester for Sub-Assembly and Board Test

MANUAL TEST SYSTEMS



Front view of Manual Tester

Application: Sub-Assembly and Board Test Bench

Features:

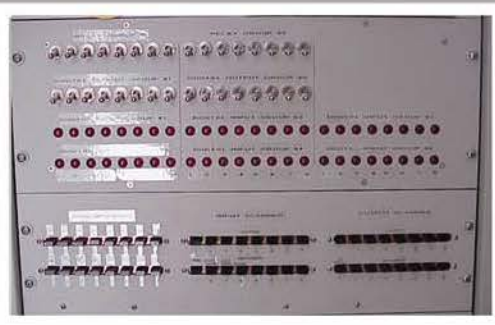
- Custom Front Panel Interface for Multiple Test Fixtures
- Push Button Matrix to DMM with LED Connection Status Panel
- Relay Switches with LED Panel
- Manual Variac AC Transformer
- AC Voltage and Current Meters
- 1000W Kikusui Electronic Load
- 4 Sorensen DC Power Supplies
- 2 AC Outputs with Circuit Breaker, On/Off Switches and LEDs



DMM, AC Voltage & Current Meters



AC Variac Control and Load Input



Relay & Matrix switches & LEDs



Breaker, On/Off, LEDs, AC Outputs



Custom Front Panel Interface



Front View of a Board Test Fixture



Rear view of a Board Test Fixture

MANUAL TEST SYSTEMS



FineTest Production Floor

FineTest Building at 1 Industry Drive



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