

THE MEGA BEAST 240

PART# HJA-900-240-D

3-WIRE, 240-VOLT, SERVICE CONDUCTOR TESTER

USE ON 240V SERVICES

40 AMP ARTIFICIAL
UNBALANCED LOAD
(4-10 AMP INTERVALS)

INDICATES PROBLEMS ON
SECONDARY SERVICE

DETECTS OPEN NEUTRALS
QUICKLY & ACCURATELY



THE BEST IN THE BUSINESS...JUST GOT BETTER

FOR MORE THAN 45 YEARS, IN OVER 500 ELECTRIC UTILITIES,
THE ORIGINAL SUPER BEAST HAS SAVED TIME AND MONEY IN DETERMINING THE CONDITION OF
SECONDARY SERVICE. WITHIN SECONDS, A TROUBLESHOOTER CAN IDENTIFY IF THE CONDUCTOR
IS OPEN, RESISTIVE, OR FUNCTIONING PROPERLY, EVEN WHEN TEMPORARY OR INTERMITTENT FAULTS
MAY BE MASKING A DETERIORATING CONDUCTOR. THE MEGA BEAST 240 ALLOWS
FOR USE ON 240 VOLT SERVICES.



SAFETY | SERVICE | SAVINGS



INDUSTRY LEADERS IN
ELECTRICAL TESTING & PRODUCTS
FOR UTILITIES & COMMUNICATIONS



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MEGA BEAST 240

240 VOLT HOOKUP & OPERATION:



- 1) TURN-OFF ALL BREAKERS AND SWITCHES, ON UNIT.
- 2) CHECK THAT GREEN WIRE IS ATTACHED SECURELY TO CASE AND OTHER END TO SYSTEM GROUND.
- 3) PLUG DIGITAL VOLT METER INTO TEST POINTS ON CONTROL BOX PANEL IF NEEDED TO COMPARE/CHECK MB VOLT METER. SET VOLT METER TO READ 240 VOLT AC.
- 4) CONNECT RED AND BLACK VOLTAGE CLIPS TO HOT LEGS OF SYSTEM (240 VOLTS ACROSS THE TWO HOT LEGS) AND WHITE CLIP TO THE SYSTEM NEUTRAL (SAFETY NOTE: UNIT MUST BE CONNECTED TO SYSTEM NEUTRAL/GROUND IN ORDER FOR UNIT TO FUNCTION)
- 5) TURN-ON MAIN 50-AMP BREAKER IN CONTROL BOX AND ONE (1) LOAD BANK SWITCH. TURN-ON THE MAIN ON/OFF SWITCH. TWO (2) LOAD ELEMENTS MAKING ONE (1) LOAD BANK SHOULD TURN-ON AND BE APPLYING ABOUT A 10-AMP LOAD WITH 220 VOLT SERVICE. AMP METER WILL VERIFY LOAD CURRENT.
- 6) OBSERVE AND RECORD VOLT METER READING AND LOOK FOR POSSIBLE SERVICE PROBLEMS, SUCH AS: VOLTAGE DROP, BAD OR LOOSE CONNECTIONS, STRAY VOLTAGES OR CABLE HEATING OR BURNING. LONG SERVICE RUNS MAY CREATE A GREATER VOLTAGE DROP, BUT WE SUGGEST A 5% DROP OR GREATER IS CAUSE FOR CONCERN AND REVIEW OF THE SERVICE LINE/NEUTRAL.
- 7) NOTE: EACH UTILITY SHOULD CONSULT WITH THEIR ENGINEERING DEPARTMENT FOR SPECIFICATIONS ON VOLTAGE DROP AND TRANSFORMER LOADING ON THEIR SYSTEM IN THEIR AREA.
- 8) IF NO VOLTAGE DROP OR PROBLEMS APPEAR: TURN ON ADDITIONAL LOAD BANK SWITCHES, CREATING UP TO 40-AMP LOAD @ 240 VOLTS AND RECHECK SERVICE FOR VOLTAGE DROP AND OTHER POSSIBLE PROBLEMS.
- 9) WHEN FINISHED CHECKING SERVICE, TURN-OFF LOAD BOX SWITCHES AND BREAKERS THEN CONTROL BOX DISCONNECT VOLTAGE LEADS.

Control box

- 50 amp main breaker
- 9' of #10-3 cable for voltage input with 40-Amp clips
- Two voltage test points for checking voltage drop with digital volt meter. (Voltmeter not supplied)
- Four (4) 15-Amp breakers, one (1) breaker per two (2) load elements, creates one (1) load bank
- Each box has 40-Amp load @220Volts



Trouble shooting:

- 1) Do not block any intake or exhaust vents! Damage or failure of load elements will occur.
- 2) If any of the load elements fail or quit working, remove the fuse for that set of elements and replace fuse cap. The unit may continue to be used without the non-functioning load bank until the elements, fuse or entire bank may be repaired.

Disclaimer:

Arnett industries does not take any responsibility for decisions made in the field as far as changing transformers out or replacing wire or connections that do not fix possible problems. This is a diagnostic tool to aid in the search of service problems; interpretation of readings is up to user and each utility's standards and practices.

WARRANTY: ONE YEAR PARTS AND LABOR UNDER NORMAL USE. NOT RESPONSIBLE FOR MISUSE.

ABOUT THE COMPANY

HJ ARNETT INDUSTRIES, L.L.C., IS AN OREGON COMPANY WHICH MANUFACTURES AND DISTRIBUTES PRODUCTS FOR THE ELECTRIC, TELECOMMUNICATION, AND COMMERCIAL/INDUSTRIAL INDUSTRIES.

FOR OVER 45 YEARS, THE COMPANY HAS WORKED CLOSELY WITH ITS CUSTOMERS TO DEVELOP PRACTICAL PRODUCTS GEARED TO SOLVING EVERYDAY PROBLEMS FOR UTILITIES AND INDUSTRY.

THE COMPANY'S LINE OF INSTRUMENTS HAS GROWN OUT OF DIRECT DISCUSSION WITH AND RESPONSE TO LINEMEN AND ENGINEERS. WE WELCOME YOUR INQUIRIES AND COMMENTS.

CHECK OUT THE COMPLETE LINE OF SERVICE CONDUCTOR TEST INSTRUMENTS

THE SUPER BEAST-P

20 AMP, PULSING SERVICE CONDUCTOR TESTER

THE MINI BEAST

8 AMP, 2-WIRE SERVICE CONDUCTOR TESTER

THE PINPOINTER

UNDERGROUND SECONDARY FAULT LOCATOR

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