



HA1

Hermetic Compressor Analyzer

ANALYZES AND TESTS HERMETIC COMPRESSORS

- 3 Ranges of starting capacitors
- Dual voltage operation
- Indicates continuity and ground faults in motor windings
- Free locked rotors by reversing motor action
- Convenient breakout jacks for measuring voltage and resistance



INSTRUCTIONS FOR HA1 HERMETIC COMPRESSOR ANALYZER
(Refer to owner's manual for complete operating information)

115VAC COMPRESSORS

1. Disconnect power to unit to be tested. With voltage connections from COMMON, START, and to the terminals on compressor.
2. Plug HA1 into 115VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
3. Plug HA1 into 115VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
4. Turn HA1 ON. Light comes on. While test cable and the compressor are connected to the unit, the HA1 and RED lights come on at full intensity. If the compressor is unoperable, the white cable should be cut at START terminal. If the compressor is unoperable, the white cable should be cut at START terminal. If the compressor is unoperable, the white cable should be cut at START terminal. If the compressor is unoperable, the white cable should be cut at START terminal. If the compressor is unoperable, the white cable should be cut at START terminal.
5. Turn HA1 OFF. Switch to FAULT position and plug into START TEST and RUN TEST buttons. Release FAULT-CONT-START switch. If either test light comes on, motor winding is shorted to frame. Stop test.
6. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
7. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
8. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
9. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
10. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
11. Turn HA1 ON. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.

220 VAC COMPRESSORS

1. Plug HA1 into 220VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
2. Plug HA1 into 220VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
3. Plug HA1 into 220VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
4. Plug HA1 into 220VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.
5. Plug HA1 into 220VAC outlet. Plug into ON position. Connect red test cable to START terminal. Check that cable is fully inserted. Plug yellow cable to compressor. Plug RED/WHITE cable into COMMON terminal with plug.

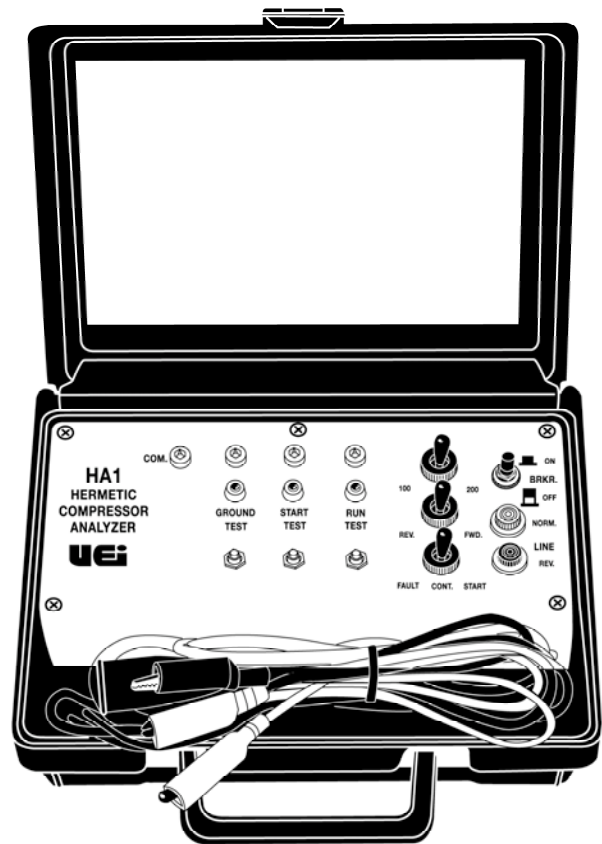
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HA1 • Hermetic Compressor Analyzer

The HA1 analyzes and tests hermetic compressors at up to 25 amps of running current. Connects directly to the compressor motor eliminating the refrigeration system start capacitor.

The HA1 has the following features:

- 3 ranges of 250 VAC starting capacitors between 88-301 MFD
- Dual voltage operation of 120/240 VAC
- Indicates continuity and ground faults in motor windings with LED lights
- Free locked rotors by reversing motor action
- Convenient breakout jacks for measuring voltage and resistance
- One year limited warranty



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