

P-1500

Congratulations on the purchase of your new Magnaflux P-1500 Magnetic Particle Inspection Machine! This guide will help you install and set-up your new Magnaflux machine.

If you have any questions, please contact your local Magnaflux Authorized Service Center or call Magnaflux Customer Service at 847-657-5300.



Getting Started

The manual is shipped with the unit in electronic format wrapped in a green bubble wrap mailer within the Accessories Box. In the manual is an extensive step by step process of how to assemble the enclosure and attach it to the unit.



Operating Manual and Drawings

Set-Up



230 VAC or 460 VAC Connection Pigtail



Remote Control Cable

Electrical Input:

The P-1500 unit is built to operate from several voltages (not field interchangeable), typically 230 volts or 460 volts, 50/60 hertz, single-phase. Line current draw at rated output (1500 amps) is approximately 45 amperes at 230 volts and 23 amperes at 460 volts. (Consult “Data Nameplate” on specific unit for correct operating voltage.).

To obtain full rated output the following two conditions must be met:

1. Thirty (30') feet of 4/0 cable (in a single loop) attached to the eitherend connectors on the front of the unit. One end of the cable will be connected to the “Common” and the other end will be connected to either “HWDC” or “AC”.
2. The power supply amperage and voltage must be as stated (or better) on the P-1500 nameplate.

Note: Using less than 30 feet of 4/0 cable will cause the machines output to be greater than design. This will cause excessive load draw on the incoming power circuit and will overheat and damage machine components.