

# INSTRUCTION MANUAL



**Porter 0-4-0  
ELECTRIC**



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**ACCUCRAFT TRAINS**  
MUSEUM QUALITY BRASS MODELS



## GENERAL INFORMATION

The 1:20.3 scale Porter 0-4-0 is a generic industrial 3' gauge engine that were used on large scale building sites and quarries! This Porter has features that were common on all 8 to 12 ton late 19th century locomotives of its size. These little steamers were exported all over the world ! Most of the American locomotive builders made similar 3' gauge locomotives like this one, and ours follows Porters basic design !

The Porter industrial locomotives were used by logging companies to switch cars at sawmills, by mining companies to haul ore cars between mines, stamp mills, and smelters and in steel mills, and other industries. There are quite a few of these engines preserved and restored running today!

Your model is a highly detailed model of the prototype. It is made of brass and stainless steel, and should give years of service. The model has a powerful motor and is driven through a gearbox, and runs smoothly and quietly.

## OPERATION & MAINTANCE

- The model as built , and configured for 0-24 volt analog operation
- The light bulbs are 6 volt diodes.
- The gear box will need the usual lubrication of grease every few hours of operation
- The motor could use a drop of oil at the ends of the motor shaft every few hours of operation. Be sure to put a drop of oil on the 4 axle bearing and also on the crank pins and crosshead sliders.
- Never over oil as this will simply make a mess and attract dirt.
- The electrical pickups will need to be cleaned periodically as will the back side of the wheels where the contacts rub.
- If you take the engine apart be sure that when you reassemble that no wires are pinched that can cause a short circuit . This could also damage the electronic circuit board for the lighting.
- This engine is designed with the link and pin couplers that were used on the original prototype . Accucraft makes a line of link and pin cars that are appropriate to run behind this locomotive. The average modeler can convert to a knuckle coupler with some modification however he is on his own to do this . The Kadee coupler company offers many conversion couplers that can be adapted to accomplish this . See your local train shop for the full line of Kadee couplers.