



INSTRUCTION MANUAL

Hip Pack Wire Dispenser

#30 - 34 AWG Wire

Part # HIP010

M. C. Miller Co., Inc.

11640 U. S. Highway 1

Sebastian, FL 32958

Telephone: (772)794-9448

Fax: (772)589-9072

Email: sales@mcmiller.com

Specifications

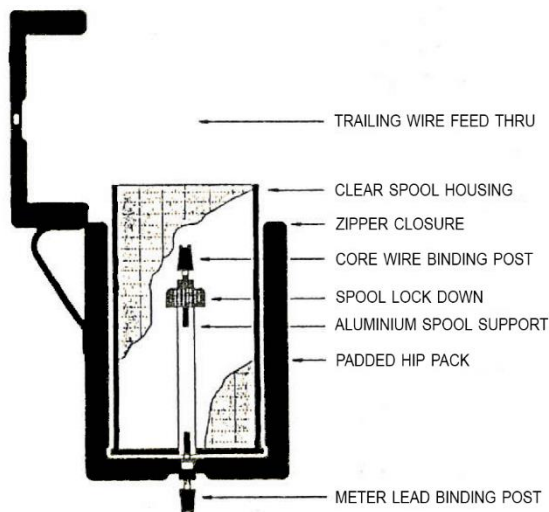
Length	9.00 inch
Diameter	5.00 inch
Nylon Weather Resistant Covering	
Lexan© Inner Container	

Part Numbers

Hip Pack Wire Dispenser	HIP010
#30 AWG Wire – 1 Mile	TRI021
#34 AWG Wire – 3 Miles	TRI022
Spool Lock with Terminal	HIP030
Meter Lead Binding Post	TER012
Hip Pack Test Lead – 6 Inches	HIP027

Introduction

The MCM Hip Pack Wire Dispenser (HIP010), was developed and designed for use with the SinCorder, and Sin 2 or other data logger instruments. Its purpose is to simplify making over-the-line type tests. It is also very suitable for numerous other applications where it would be convenient or desirable for the operator to have his or her hands free.



Features

- *A lightweight, soft sided padded case with a zippered top closure.*
- *An inner Lexan* container protects the wire.*
- *A center mounting post with hold down fitting.*
- *Binding posts for both the core wire and the test lead wire which connects to the meter.*
- *Large exterior fabric loop for attachment to virtually any type of waist belt support.*
- *A smooth feed through grommet allows the wire to pay out freely.*

Set Up Procedure

(Fold abrasive screen in half and pull copper wire between halves to remove insulation)

- 1) Unzip the top portion of the padded pack and fold it back.
- 2) Unscrew the wire spool and hold down fitting with the core wire binding post attached.
- 3) Carefully pull out (partially only) the center core wire tail from the spool. Carefully scrape the insulation from about one inch of the tail end.
- 4) Unwind the trailing end of the wire from around the spool. Feed this end up through the opening (trailing wire feed through) in top portion of the Hip Pack.
- 5) Insert the plastic wire spool over the aluminum spool support. Make sure that the center core wire tail end is facing UP.
- 6) Screw on the spool lock down fitting and securely tighten.
- 7) Slip the insulation-free end of the core wire between the jaws of the binding post. Tighten the terminal down on the wire to make a firm contact. This creates continuity between the spool of wire, the aluminum spool support, and the meter lead binding post.
- 8) After the connection is tight, make certain that all loose wire from the core is securely and neatly tucked away.
- 9) Close the zippered top portion of the hip pack, making sure not to tangle any of the wire inside.
- 10) Secure the pack to a belt using the loop provided on the hip pack.

Ready For Use

With the above steps completed, you're just about ready to be on your way. The trailing end of the wire (fed through the top of the hip pack) is generally used as your structure lead (connection) wire. For this purpose, remove several inches of insulation from the end of this wire, and connect it to the structure or test point available. Connect a test lead wire from the meter binding post on the bottom of the hip pack to your volt meter. For potential testing, connect another test lead wire (not supplied) from your meter to the reference electrode. Secure the trailing wire to a stable point at the connection point.

Test your setup before you move! Make a simple potential test and determine if your reading is within the expected tolerance. If it is, you're on your way. As you begin, adjust the hip pack for comfort of wearing; try it at the small of your back. In the beginning, proceed slowly to make sure the wire feeds out freely from the spool in the hip pack. REMEMBER, the wire you are working with is an extremely light weight No. 30 or 34 AWG, which has been used successfully, but it will not take a lot of abuse or rough handling.

This isn't disposable wire and should not be left in the field. People, animals, and machinery may become entangled.

Depending upon the terrain, the wire may be pulled back from one location. Tying a knot in the end will give visual assurance that no wire has been left in the right-of-way. If the area is extremely bushy, the wire may have to be gathered by walking back along the path.

We at the M.C. Miller Co., Inc. believe that the Hip Pack, used in conjunction with any of our fine line of corrosion control/cathodic protection test instruments or data loggers, will ease your task of gathering information from the field. If at any time you see a need for improvement or modification to the Hip Pack that makes your job easier, please bring it to our attention.