

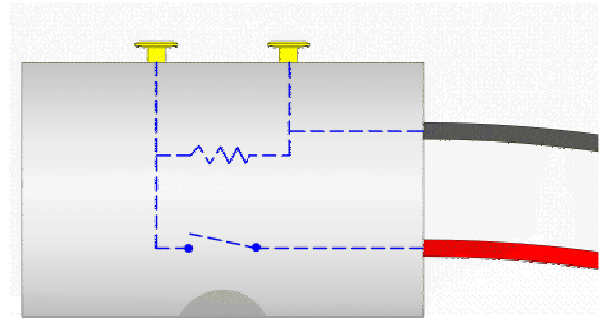
Model ST – Terminal Blocks.

EDI Model ST Terminal Blocks use Model SM magnetically activated switches to simplify routine measurements in cathodic protection systems using sacrificial anodes.

2 Terminal Block (Model ST-2)

The 2-terminal block is used for measuring current supplied by a single sacrificial anode. Measuring the potential between the pins indicates the anode current: 1 mV = 10 mA.

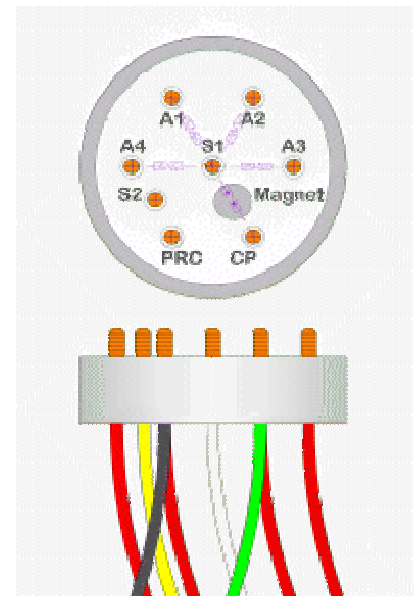
Placing a magnet opposite the brass pins will momentarily open the internal switch interrupting current flow. This will allow instant off potential measurements to be made.



8 Terminal Block (Model ST-8)

The 8-terminal block permits individual current measurements to be made on up to four anodes. Measuring the potential between the appropriate pins indicates the anode current from that anode: 1 mV = 10 mA.

If a cathodic protection coupon is installed, a magnet will open a switch allowing instant disconnect measurements to be made. A separate terminal for a permanent reference electrode is provided so that all routine cathodic protection verification measurements can be conveniently made from a single terminal block.



www.edi-cp.com



electrochemical devices, inc.

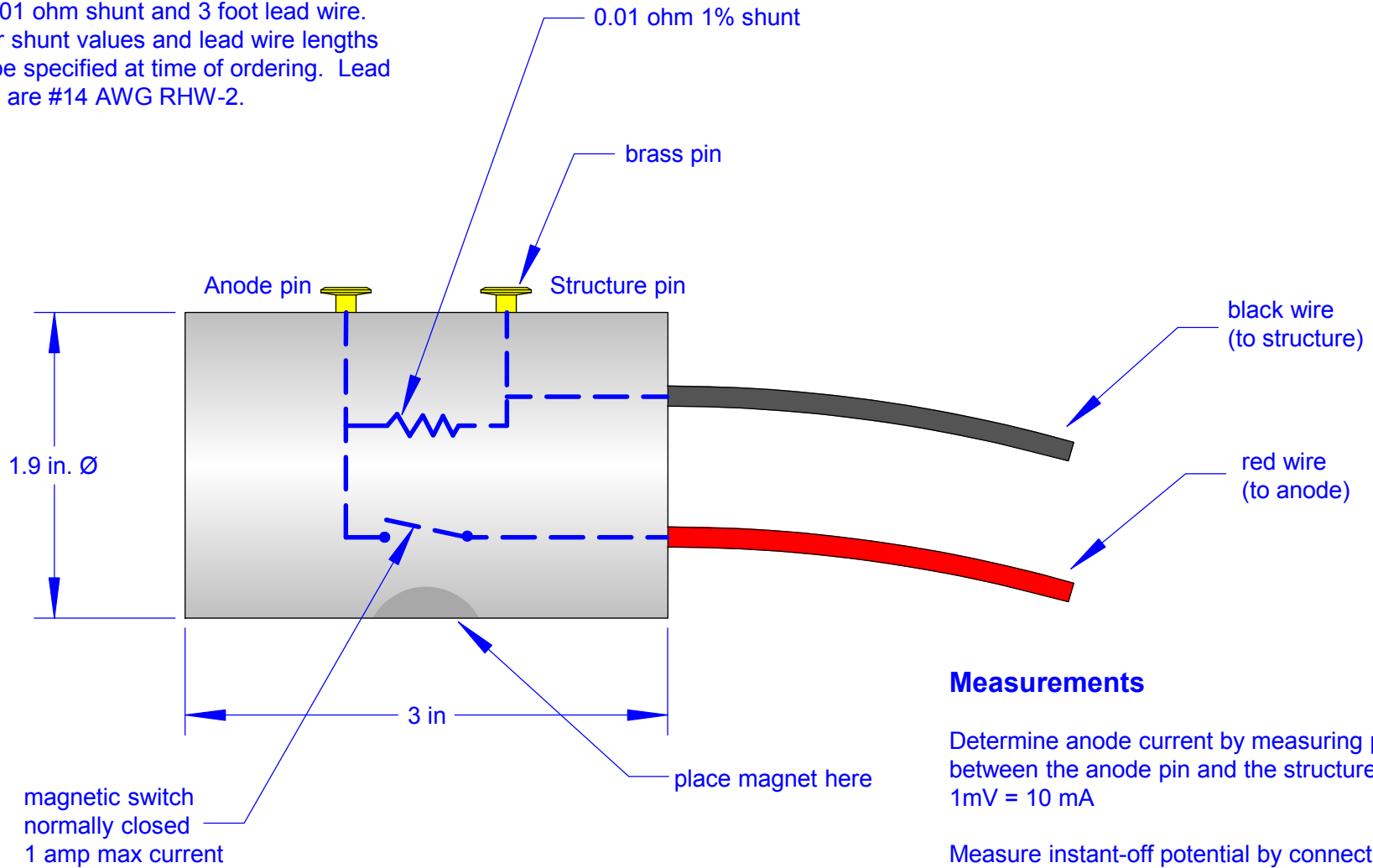
PO Box 789, Middlefield, OH 44062 440-632-5616

info@edi-cp.com

www.edi-cp.com

*S Series
Special
Products*

Specify as EDI Model ST2-0.01-SW shunt for 0.01 ohm shunt and 3 foot lead wire. Other shunt values and lead wire lengths can be specified at time of ordering. Lead wires are #14 AWG RHW-2.



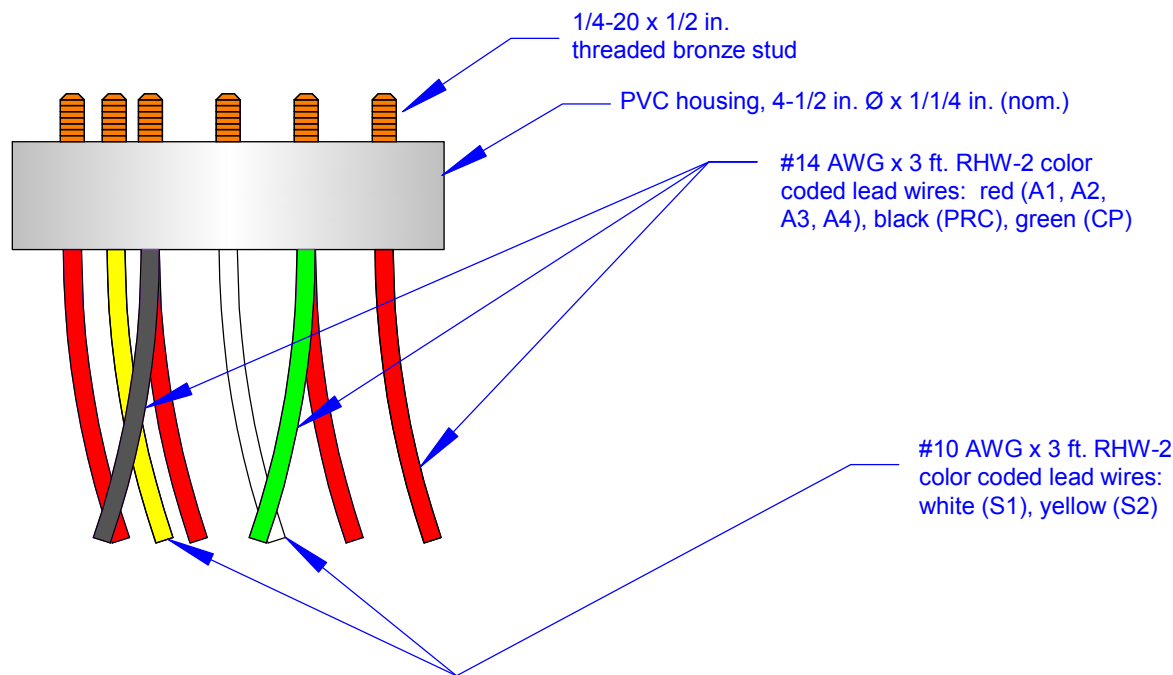
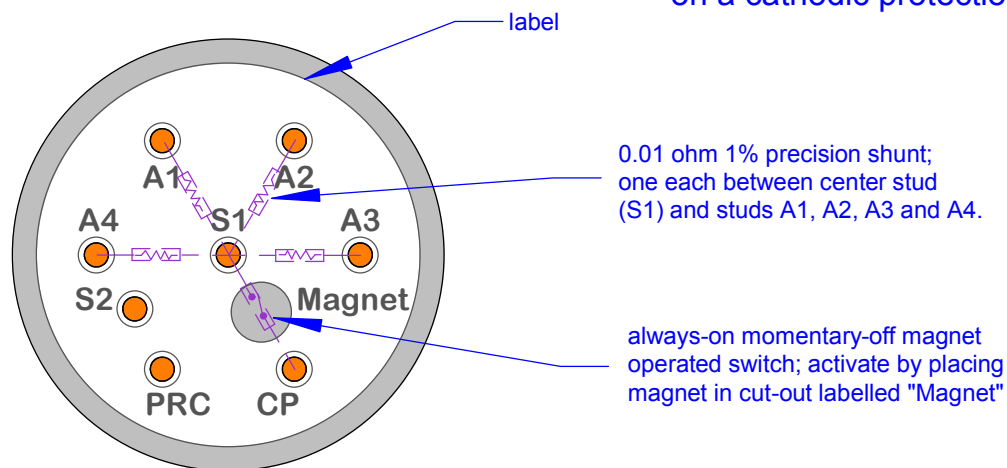
Measurements

Determine anode current by measuring potential between the anode pin and the structure pin. 1mV = 10 mA

Measure instant-off potential by connecting a meter between the structure pin and a reference electrode. Place a magnet where indicated to interrupt the current.

Flush Test Station Terminal Block
Specify as EDI Model ST8-0.01-SW

This terminal block permits individual current measurements on up to four sacrificial anodes as well as instant-disconnect measurements on a cathodic protection coupon.



Installation

Connect one structure lead each to white and yellow wires.
Connect one anode lead to each red wire.
Connect cathodic protection coupon lead to green wire.
Connect permanent reference electrode to black wire.

Measurements

Determine anode current by measuring potential between stud S1 and each of the anode studs (A1 - A4)
1 mV = 10 mA

Measure "instant-disconnect" potential by connecting meter between stud PRC and stud CP. Use a magnet where indicated to interrupt the current.

Flush Test Station Terminal Block

SCALE	HALF
DRAWN BY	FJA
DATE	30 DEC 2015
DRAWING NUMBER	ST8 - 3