



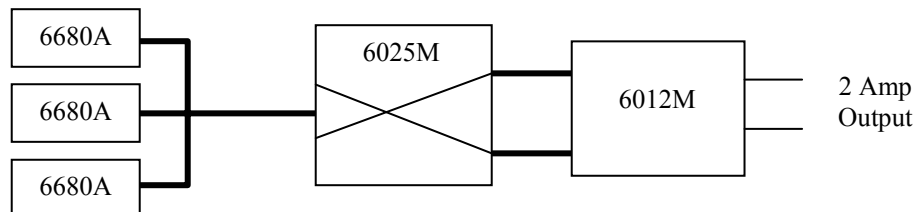
## Model 6012M Automated 2000 Amp Range Extender

*2000 Amp DCC Extender  
1,000:1 Ratio Capability  
< 2-ppm uncertainty  
One of a Kind*

### General Description:

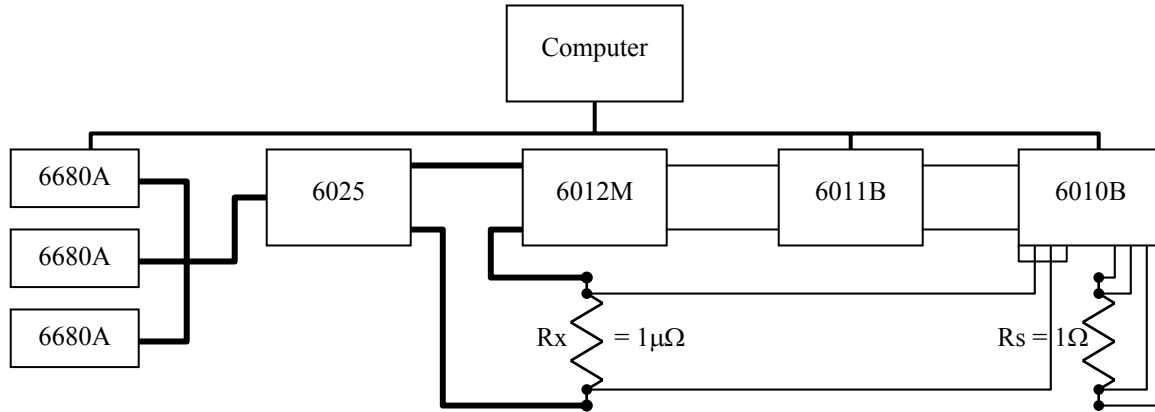
The Model 6012M precision DC range extender is based on direct current comparator technology. The 6012M provides precision current division ratio of 1000:1 to a maximum of 2000A on its primary with 2 amperes out. Used in conjunction with the Model 6025 reversing switch, the 6012M can reverse currents up to 2000A.

The 6012M may be used as a stand-alone device to divide high DC Currents down to workable levels.



The 6012M is also used in the Measurements International's Shunt Measurement System with the 6010B/6011B and 6025 high current reversing switch for ratio measurements of 1,000,000:1 [ $1\mu\Omega$  shunt against a  $1\Omega$  standard (Model 9210)] automatically for direct comparisons up to 2000 amperes. This completely Automated "turn key" Current Shunt Measurement System, utilizing a 6010B and 6011B is the only system of its kind commercially available worldwide.

# Model 6012M



6012M used as range extender with the 6010B

## Specifications:

Maximum Ratio	1000:1
Maximum Input Current	2500 Amps
Maximum Output Current	2 Amps
Linearity	< 2 ppm for 10% of Full Scale Current
Accuracy	< 2 ppm
Current Resolution	< .05 ppm of Full Scale Current
Output Compliance	10V DC
Operating Environment	18 to 34°C, 10 to 80% RH
Warranty	1 Year Parts & Labor

## Dimensions:

270 x 450 x 380 mm

## Weight:

35 kg

## Shipping Weight:

40 kg

## Accessories:

6025 Reversing Switch

## Operating Power:

100, 120, 220, 240V - 50/60 Hz

## Distributed By:

## How to Order:

Model 6012M  
Automated 2000 Amp Range Extender

Data Subject to Change

Printed in Canada



## Measurements International

118 Pirelli Dr., PO Box 2359, Prescott, Ontario, Canada K0E 1T0  
Ph. 613.925.5934 • Fx. 613.925.1195 • North America: 1.800.324.4988

Form MI 67, Rev. 1, Dated 01-11-15 (QAP 19, App. "O")