

# AM9050

## Low EMF Precision Switch



## User's Guide



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## 1 Introduction and Specifications

### 1.1 Introduction

AM9050 Low EMF Precision Switch is designed as a useful tool for calibration of platinum resistance thermometers, thermocouples and other temperature sensors/resistors. It offers up to 12 Channels that allow users to measure and compare multiple probes/sensors seamlessly without changing lead connections. The dial switch is uniquely designed to minimize any thermal offsets.

AM9050 is a perfect tool for monitoring a variety of environments simultaneously, including ambient conditions, comparison baths, dry blocks and other temperature mediums.

### 1.2 Specifications

<b>Thermal EMF</b>	<0.4 $\mu$ V
<b>Channels</b>	12 Channels
<b>Terminals</b>	4-wire connections
<b>Dimension</b>	380 mm X 140 mm X 100mm
<b>Weight</b>	1.95 kg

## 2 Connection Instructions

- 2.1 Connect external readout/thermometry bridge to terminal C1/P1/P2/C2
- 2.2 Connect probes/sensors to terminal 1-12
- 2.3 Dial position indicates current measurement channel of probe/sensors

## 3 Limited Warranty & Limitation of Liability

Each product from AccuMac Corporation is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is 1 year. The warranty period begins on the date of the shipment. Parts, product repairs, and services are warranted for 90 days. The warranty extends only to the original buyer or end-user customer of an AccuMac authorized reseller. The warranty will not extended to products that have been misused, altered, neglected, or damaged by accident or abnormal conditions of operation or handling.



**Toll Free:** 1-866-327-8731  
**Tel:** 905-575-1941  
**Fax:** 905-575-0386  
**E-mail:** [sales@technical-sys.com](mailto:sales@technical-sys.com)  
**web-site:** [www.technical-sys.com](http://www.technical-sys.com)