

## Introduction

The Model 2010 Multimeter implements device-dependent commands used by the Keithley Models 196 and 199 digital multimeters. The “R” command is used to set the range for the selected function.

For the ohms function, the selected range depends on the Firmware Revision of the Model 2010. The firmware revision is displayed during power-up. Example display message for A12 firmware:

REV A12 A02

This Release Note affects the Model 2010 Multimeter User’s Manual (Appendix D) and the Quick Reference Guide. Keep the master copy of this release note with these manuals. Also, make one or more copies of this release note and attach the information in the appropriate places in the manuals.

## Device-dependent command programming

### Range (R) command

Range selection for the ohms function depends on the Revision Level of the Model 2010 and is summarized by the following table:

**Range selection for ohms function**

Range Command for Ohms*	Model 2010 Firmware Revision		
	A0 through A10	A11	A12 and higher
R0	Auto	Auto	Auto
R1	100Ω	1kΩ	100Ω
R2	1kΩ	10kΩ	1kΩ
R3	10kΩ	100kΩ	10kΩ
R4	100kΩ	1MΩ	100kΩ
R5	1MΩ	10MΩ	1MΩ
R6	10MΩ	100MΩ	10MΩ
R7	10MΩ	100MΩ	10MΩ
R8	NA	NA	100MΩ

\* 2-wire and 4-wire ohms