

PRECISION IN PRACTICE - ACHIEVING THE BEST RESULTS WITH PRECISION DIGITAL MULTIMETER MEASUREMENTS

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Abstract

Digital multimeters (DMMs) are one of the most common measurement tools, ranging from simple handhelds to the more sophisticated precision metrology grade instruments. These precision DMMs offer a range of specifications, features, and capabilities intended to allow users to make the best measurements for their particular application. However, choosing and applying the most appropriate DMM configuration can be a complex task and may often lead to unexpected results, even for experienced users. This paper explores and explains how precision DMMs operate, and provides practical help and guidance on using advanced DMM features with the objective of helping users avoid sources of error in precision applications.