

ANSI Z80.17-2008



AMERICAN NATIONAL STANDARD

*for Ophthalmics -
Focimeters*

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ANSI®
Z80.17-2008
(Revision of
ANSI Z80.17-2001)

American National Standard
for Ophthalmics –

Focimeters

Secretariat

Optical Laboratories Association (until December 31, 2008)

The Vision Council (after January 1, 2009)

Approved July 16, 2008

American National Standards Institute, Inc.

American National Standard

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The Accredited Committee Z80 for Ophthalmic Standards -

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Foreword (This foreword is not part of American National Standard ANSI Z80.17-2008.)

This standard was developed by a group of experts under the direction of the ANSI Instrument subcommittee chair, William L. Brown, O.D., Ph.D. This standard defines the requirement for devices that measure the sphere and cylindrical vertex power, prismatic power and axis for spectacle and contact lenses. Accuracy requirements for tolerances or deviation of readings are also defined.

In this revised standard, the definition of vertex, previously omitted from Z80.17, has been added and defined so that it applies not only to lenses for which the optic axis is the prism reference point (i.e., no prism), but also for lenses with prism for which the classical definition of vertex (i.e., the point at which the optic axis intersects a surface) does not apply. Definitions of vertex powers have been revised accordingly. Definitions of IOA and FOA vertex powers and repeatability requirements for cylinder axis measurements for small power cylinder powers are added.

Suggestions for improvement of this standard will be welcome. Prior to December 31, 2008, any comments should be sent to the Optical Laboratories Association, P.O. Box 200, Merrifield, VA 22116-2000. After January 1, 2009, comments should be sent to The Vision Council, 1700 Diagonal Road, Suite 500, Alexandria, VA 22304.

This standard was processed and approved for submittal to ANSI by the Accredited Standards Committee on Ophthalmic Optics, Z80. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the Z80 Committee had the following members:

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Daniel Torgersen, Secretariat

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	Robert Landry
	David Loshin
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