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(Revision of ANSI/AWWA C751-16)

AWWA Standard

Magnetic Inductive Flowmeters

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American Water Works Association

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AWWA Standard

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Contents

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American Water Works Association
Dedicated to the World's Most Important Resource®

AWWA Standard

Magnetic Inductive Flowmeters

SECTION 1: GENERAL

Sec. 1.1 Scope

Magnetic inductive flowmeters or electromagnetic flowmeters are commonly called *magmeters*. The flowmeter referenced in this standard will be called a *magmeter* or *magnetic flowmeter* interchangeably. Magmeters are available in wafer style and threaded and flanged-end connection designs. These spool/tube design flowmeters are most commonly used in the water industry. This standard will focus on magmeters of this design.

This standard does not apply to the insertion type of magmeter. This standard does not address specific issues where a magmeter would be used in revenue service.

Sec. 1.2 Purpose

The purpose of this document is to review magnetic inductive flowmeter (magmeter) principles of operation, calibration, and selection.

Sec. 1.3 Application

The performance and the reliability of these meters with no moving parts will be discussed. The meters require less maintenance and are more accurate than mechanical meters in use today.

Magmeters are used in a wide variety of applications including the measurement of wastewater, raw water, treated water, and revenue generation and in different stages of the treatment process such as the measurement of settled