

ISO 4064-1:2005-10 (E)

Measurement of water flow in fully charged closed conduits - Meters for cold potable water and hot water - Part 1: Specifications

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Technical characteristics	8
4.1	In-line meters	8
4.2	Concentric meters	10
4.3	Pressure loss	11
5	Metrological requirements	12
5.1	Metrological characteristics	12
5.2	Maximum permissible error	13
5.3	Zero flow totalization	14
5.4	Rated operating conditions (ROC)	14
5.5	Flow profile sensitivity classes	16
5.6	Requirements for electronic meters and meters with electronic devices	17
6	Technical requirements	19
6.1	Requirements for materials and construction of water meters	19
6.2	Endurance	19
6.3	Adjustment of water meters	19
6.4	Verification marks and protection devices	19
6.5	Electronic sealing devices	19
6.6	Indicating device	20
6.7	Water meters equipped with electronic devices	23
6.8	Descriptive markings	30
Annex A (informative) Concentric water meter manifold		32
Annex B (informative) Design features and actual flowrates of water meters		35
Annex C (normative) Checking facilities		37
Bibliography		41