

ISO/TR 9824:2007-04 (E)

Hydrometry - Measurement of free surface flow in closed conduits

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Characteristics of a closed conduit system	1
4.1	Physical structure	1
4.2	Construction	2
4.3	Flow conditions	2
4.4	Environment	2
5	Selection of method	3
5.1	General	3
5.2	Factors	3
6	Methods of measurement	4
6.1	Volumetric methods	4
6.2	Tracer and dilution method	5
6.3	Flow measurement structures	6
6.4	Ultrasonic Doppler	17
6.5	'Transit time' ultrasonic flow meters	18
6.6	Electromagnetic method	21
6.7	Slope-area method	23
6.8	Non-contact methods	25
6.9	Spot flow measurements, evaluation and verification	26
7	Final selection of method	26
Annex A (informative) Guide to the selection of methods		27
Bibliography		30