

ISO 2425:2010-12 (E)

Hydrometry - Measurement of liquid flow in open channels under tidal conditions

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	2
5	Principles of methods of measurement	2
5.1	General	2
5.2	Single measurement methods	2
5.3	Continuous measurement methods	2
6	Special considerations and choice of method	3
6.1	Special considerations	3
6.2	Choice of method	4
7	Measurement of tidal flow	6
7.1	Techniques for single measurements of tidal flow	6
7.2	Techniques appropriate for continuous measurement of tidal flow	10
8	Uncertainties in tidal flow measurement	12
8.1	General	12
8.2	Uncertainties in measurement by velocity area method	12
Annex A (informative) Measurement of tidal flow by cubature method		16
Annex B (informative) Measurement methods suitable for tidal flow conditions		20
Annex C (informative) Record of velocity measurement of a tidal river (see 7.1)		22
Annex D (informative) Measurement of tidal flow using an acoustic Doppler velocity meter (see 7.1)		24
Bibliography		27