

ISO 4373:2008-10 (E)

Hydrometry - Water level measuring devices

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Instrument specification	1
4.1	Performance classifications	1
4.2	General	1
4.3	Maximum rate of change	2
4.4	Environment	2
4.5	Timing	3
5	Recording	3
5.1	Chart recorders	3
5.2	Data loggers	3
6	Enclosure	3
7	Installation	3
8	Estimation of measurement uncertainty	4
8.1	General	4
8.2	Type-A estimation	4
8.3	Type-B estimation	4
8.4	Level measurement datum	4
8.5	Combining primary measurement uncertainties	4
Annex A (informative)	Types of water level measuring devices	5
A.1	Reference gauges	5
A.2	Peak level gauges	9
A.3	Mechanical float and counterweight gauges	10
A.4	Air reaction gauges	11
A.5	Electrical pressure transducers	14
A.6	Echo-location, acoustic instruments	15
A.7	Echo-location, radar instruments	16
A.8	Systems using electrical properties	17
A.9	Recording devices	18
Bibliography		20