ISO 20380:2017-11 (E)

Public swimming pools - Computer vision systems for the detection of drowning accidents in swimming pools - Safety requirements and test methods

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Requirements 2
4.1 General 2
4.2 Technical study 2
4.3 Performance requirements 3
4.3.1 Alarm set off time 3
4.3.2 Areas covered 3
4.3.3 Detection performance 3
4.3.4 False alarm rates 4
4.4 Data communication and management 4
4.4.1 General 4
4.4.2 Alarm data 4
4.4.3 Operational data 4

5 Test methods 5
5.1 General 5
5.2 Non-detection test 5
5.2.1 Non-detection test preparation 5
5.2.2 Non-detection test procedure 5
5.3 Detection test 6
5.3.1 General 6
5.3.2 Detection test conditions 6
5.3.3 Test preparation 7
5.3.4 Distribution of detection measurements during the test 7
5.3.5 Detection test measurement protocol 9
5.4 Test report 10

6 Regular testing 11
6.1 Daily testing 11
6.2 Half-yearly testing 11

7 Trained staff manual 12

8 Maintenance 12

Annex A (informative) Typical rescue scenario 13

Bibliography 15