ISO 14934-3:2006-09 (E)

Fire tests - Calibration and use of heat flux meters - Part 3: Secondary calibration method

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Apparatus 2
5.1 Radiant source 2
5.2 Mounting arrangements 2
5.3 Instrumentation 2
5.4 Additional equipment 3

6 Test environment 3
6.1 Room 3
6.2 Draught 3

7 Setting up procedure 3
7.1 General 3
7.2 Mounting and alignment of heat flux meters 3

8 Typical calibration procedures 4

9 Calculation of results 4
9.1 General 4
9.2 Graphical presentation 5
9.3 Mathematical presentation 5
9.4 Uncertainty in regression curve 5

10 Test report 6

Annex A (informative) Accuracy of calibration 7

Annex B (informative) Care of heat flux meters 8

Annex C (informative) Guidance notes 9

Annex D (informative) Procedure recommended for maintenance of a secondary standard of irradiance at a test laboratory 11

Bibliography 14