

DIN EN 15758:2010-12 (E)

Conservation of Cultural Property - Procedures and instruments for measuring temperatures of the air and of the surfaces of objects

Contents		Page
Foreword		3
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Recommendations relating to measuring methods		8
4.1 Measurement of air temperature		8
4.2 Measurement of the effective temperature including radiant contribution		8
4.2.1 Black-globe thermometer		8
4.2.2 Measuring temperature with a blackbody strip target		8
5 Measurement of surface temperature		9
5.1 General		9
5.2 Thermometers with contact sensors		9
5.3 Infrared thermometers (remote temperature sensors)		10
5.4 Quasi-contact thermometers		10
6 Recommendations relating to variations in space of the thermal quantities		11
6.1 General		11
6.2 Recommendations relating to variations in time of the thermal quantities		11
6.3 Specifications relating to measuring instruments		11
7 Calibration		11
Annex A (normative) Characteristics of measuring instruments		13
Bibliography		14