

ISO 11844-3:2020-01 (E)

Corrosion of metals and alloys - Classification of low corrosivity of indoor atmospheres - Part 3: Measurement of environmental parameters affecting indoor corrosivity

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Principle		1
5 Environmental parameters		1
6 Humidity and temperature parameters		2
6.1 Relative humidity.....		2
6.2 Temperature.....		2
6.3 Temperature-humidity complex.....		2
7 Airborne gas contaminants		2
7.1 Principle.....		2
7.2 Placing of measuring equipment.....		3
7.2.1 General.....		3
7.2.2 Continuous gas-measuring instruments.....		3
7.2.3 Active sampler.....		3
7.2.4 Passive sampler.....		3
7.2.5 Gas-deposition equipment.....		3
7.3 Measuring methods and duration.....		3
7.3.1 Continuous measurement.....		3
7.3.2 Measurement and calculation with the active sampler.....		3
7.3.3 Measurement and calculation with the passive sampler.....		4
7.3.4 Measurement and calculation of deposition rate of gas pollution.....		5
8 Airborne particle contaminants		6
8.1 Principle.....		6
8.2 Volumetric measurements.....		6
8.3 Measurement of particle deposits.....		6
9 Dry deposition velocity and measurements of air flow		7
Annex A (informative) Reagents used for both passive and active samplers		8
Bibliography		10