

ISO 11843-2:2000-05 (E)

Capability of detection - Part 2: Methodology in the linear calibration case

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Experimental design	2
4.1	General	2
4.2	Choice of reference states	2
4.3	Choice of the number of reference states, I, and the (numbers of) replications of procedure, J, K and L	3
5	The critical values y_c and x_c and the minimum detectable value x_d of a measurement series	3
5.1	Basic assumptions	3
5.2	Case 1 -- Constant standard deviation	4
5.3	Case 2 -- Standard deviation linearly dependent on the net state variable	6
6	Minimum detectable value of the measurement method	9
7	Reporting and use of results	10
7.1	Critical values	10
7.2	Minimum detectable values	10
	Annex A (normative) Symbols and abbreviations	11
	Annex B (informative) Derivation of formulae	14
	Annex C (informative) Examples	20
	Bibliography	24