

DIN EN 15437-1:2023-02 (E)

Railway applications - Axlebox condition monitoring - Interface and design requirements - Part 1: Track side equipment and rolling stock axlebox (includes Amendment A1:2 022)

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Symbols and abbreviations	10
5	Rolling stock requirements	11
5.1	Target zone	11
5.1.1	General	11
5.1.2	Dimensions of the target area	11
5.1.3	Position of the centre of the target area in the XY plane	12
5.1.4	Visibility requirements for the target area	12
5.2	Prohibitive zone	13
5.2.1	General	13
5.2.2	Dimensions of the prohibitive zone	13
5.2.3	Position of the centre of the prohibitive zone in the XY plane	13
5.3	Electromagnetic interference emissions	15
5.4	Design drawings	15
5.5	Protective finish	15
6	HABD requirements for its interface with rolling stock	15
6.1	General	15
6.2	HABD temperature measuring zone	15
6.3	HABD installation requirements	17
7	HABD system requirements	18
7.1	HABD functions	18
7.2	HABD temperature alarms	18
7.3	HABD general requirements	19
Annex A (informative) An example of an alternative HABD temperature measuring zone		20
Annex B (informative) Guidance for HABD installation		22
Annex C (informative) Accuracy of the HABD's calculated temperature of an axlebox		23
Annex D (informative) Examples of HABD system temperature alarm levels across Europe		24
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of Directive (EU) 2016/797/EC aimed to be covered		25
Bibliography		27