ISO 25178-71:2017-08 (E)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 71: Software measurement standards

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Type S software measurement standards 2
4.1 General 2
4.2 Type S1, reference data 3
4.3 Type S2, reference software 3

5 File format for Type S1 reference data 3
5.1 General 3
5.2 Record 1 -- Header 3
5.2.1 General 3
5.2.2 Version number 3
5.2.3 Measurement instrument manufacturer's identifier 4
5.2.4 Original creation date and time 4
5.2.5 Last modification date and time 4
5.2.6 Number of points per profile, M 4
5.2.7 Number of profiles or traces, N 4
5.2.8 X, Y and Z axis scale factors 4
5.2.9 Z axis resolution 4
5.2.10 Compression type 4
5.2.11 Data type 4
5.2.12 Checksum type 4
5.3 Record 2 -- Data area 5
5.4 Record 3 -- Trailer 5

6 Software measurement standard certificate 6

Annex A (informative) Examples 7

Annex B (informative) Relation to the GPS matrix model 9

Bibliography 11