

# DIN EN ISO 25178-607:2019-12 (E)

**Geometrical product specifications (GPS) - Surface texture: Areal - Part 607:  
Nominal characteristics of non-contact (confocal microscopy) instruments (ISO  
25178-607:2019)**

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
Foreword .....	4
Introduction .....	5
1 Scope .....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Descriptions of the influence quantities .....	10
Annex A (informative) Classification of in-plane scanning techniques for confocal microscopes ..	12
Annex B (informative) Theory of operation of confocal microscopes .....	18
Annex C (informative) Thin and thick films with confocal microscopes .....	22
Annex D (informative) Relation to the GPS matrix model .....	24
Bibliography .....	25