

# ISO 11171:2016-10 (E)

## Hydraulic fluid power - Calibration of automatic particle counters for liquids

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1 Scope .....		1
2 Normative references .....		1
3 Terms and definitions .....		1
4 Materials and equipment .....		2
5 Sequence of APC calibration procedures .....		4
6 Sizing calibration procedure .....		7
7 Data presentation .....		13
8 Identification statement .....		14
Annex A (normative) Preliminary APC check .....		15
Annex B (normative) Coincidence error procedure .....		18
Annex C (normative) Flow rate limit determination .....		23
Annex D (normative) Resolution determination .....		27
Annex E (normative) Verification of particle-counting accuracy .....		32
Annex F (normative) Preparation and verification of bottles of secondary calibration suspensions .....		35
Annex G (informative) APC calibration round robin .....		38
Annex H (informative) Sample calculations .....		43
Annex I (informative) Verification of particle size distribution of calibration samples .....		49
Bibliography .....		51