

ISO 11171:2016-10 (E)

Hydraulic fluid power - Calibration of automatic particle counters for liquids

Contents		Page
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