

ISO 10770-3:2007-10 (E)

Hydraulic fluid power - Electrically modulated hydraulic control valves - Part 3: Test methods for pressure control valves

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	1
3.1	Terms and definitions	1
3.2	Symbols	3
3.3	Graphic symbols	3
4	Standard test conditions	3
5	Test installation	4
6	Accuracy	8
6.1	Instrument accuracy	8
6.2	Dynamic range	8
7	Electrical tests for valves without integrated electronics	8
7.1	General	8
7.2	Coil resistance	8
7.3	Coil inductance (optional test)	8
7.4	Insulation resistance	10
8	Relief-valve performance tests	10
8.1	Steady-state tests	10
8.2	Dynamic tests	18
9	Reducing valves	23
9.1	Performance tests	23
9.2	Dynamic tests	30
10	Pressure impulse test	34
11	Presentation of results	34
11.1	General	34
11.2	Test reports	34
12	Identification statement	36
Annex A (informative) Testing guidance		37
Bibliography		38