

ISO 10770-1:2009-10 (E)

Hydraulic fluid power - Electrically modulated hydraulic control valves - Part 1: Test methods for four-port directional flow-control valves

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions, symbols and units	2
3.1	Terms and definitions	2
3.2	Symbols and units	2
4	Standard test conditions	3
5	Test installation	3
6	Accuracy	5
6.1	Instrument accuracy	5
6.2	Dynamic range	5
7	Electrical tests for valves without integrated electronics	5
7.1	General	5
7.2	Coil resistance	5
7.3	Coil inductance -- Optional test	5
7.4	Insulation resistance	7
8	Performance tests	7
8.1	Steady state tests	7
8.2	Dynamic tests	24
9	Pressure impulse test	29
10	Presentation of results	30
10.1	General	30
10.2	Test reports	30
11	Identification statement (Reference to this part of ISO 10770)	31
Annex A (informative) Testing guidance		32