

ISO/TS 17242:2014-05 (E)

Quasi-static calibration procedure for belt force transducers

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Generalspecifications	2
3.1	General	2
3.2	Limitations or the application of the test belt strap	2
4	Test conditions	3
4.1	Test method	3
4.2	Clamping length	3
4.3	Test velocity	3
4.4	Belt strap	3
4.5	Load relieving	3
4.6	Data acquisition	3
4.7	Data evaluation	3
4.8	Sensor excitation	4
4.9	Environmental conditions	4
5	Calibration procedure	4
5.1	Conditioning	4
5.2	Test preparation	4
5.3	Calibration test	4
5.4	Data storage	4
5.5	Data evaluation	4
5.6	Documentation	5
Annex A (normative)	Test setup	6
Annex B (normative)	Evaluation method	7
Annex C (informative)	Belt strap characteristics	10
Annex D (informative)	Applications notes	12