

DIN EN 15495:2008-02 (E)

Non Destructive testing - Acoustic emission - Examination of metallic pressure equipment during proof testing - Zone location of AE sources

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Personnel Qualifications	4
5	General	5
5.1	General	5
5.2	Application of load	5
5.3	Sensors	5
5.4	Zone location	5
5.5	Preliminary information	6
5.6	Written instruction requirements	6
6	Instrumentation	7
7	Testing	7
7.1	Pre-Test Measurements	7
7.1.1	General	7
7.1.2	Wave propagation	7
7.1.3	Determination of maximum allowed sensor spacing	8
7.2	Test steps	10
7.2.1	General Guidelines	10
7.2.2	In situ verification	10
7.2.3	Background Noise	10
7.2.4	Equipment Pressurisation	10
8	Interpretation of results	11
8.1	General	11
8.2	Test stop criteria	11
8.2.1	Test stop during the initial proof loading	11
8.2.2	Test stop during subsequent loadings	11
8.3	AE zone grading criteria	11
9	Documentation	12
Bibliography		13