

BS 9690-2:2011



BSI Standards Publication

# Non-destructive testing – Guided wave testing

Part 2: Basic requirements for  
guided wave testing of pipes,  
pipelines and structural tubulars

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

*raising standards worldwide™*

**BSI**



**FSC**  
**100%**  
From well-managed forests

Cert no. SW-COC-004238  
www.fsc.org  
© 1996 Forest Stewardship Council

### **Publishing and copyright information**

The BSI copyright notice displayed in this document indicates when the document was last issued.

© BSI 2011

ISBN 978 0 580 73794 7

ICS 19.100

The following BSI references relate to the work on this standard:

Committee reference WEE/46

Draft for comment 11/30238603 DC

### **Publication history**

First published October 2011

### **Amendments issued since publication**

<b>Date</b>	<b>Text affected</b>
-------------	----------------------

---

## Contents

Foreword *ii*

1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Factors influencing the performance of guided wave testing of pipes	2
5	Information and requirements to be agreed and documented	3
6	Test procedure	4
7	Personnel qualification	5
8	Equipment calibration	5
9	Testing	5
10	Initial interpretation of results	8
11	Test report contents	14

### Annexes

Annex A (informative) Background to the GWT method 15

Bibliography 16

### List of figures

Figure 1 – Example guided wave data (linear amplitude scale A-scan) showing the relationship between the DAC curves, noise line and maximum usable sensitivity line 12

### Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 16, an inside back cover and a back cover.