



12716
2009

I S O 12716:2001
Non-destructive testing — Acoustic emission inspection — Vocabulary
(IDT)



2011

27 2002 . 184- « — 1.0—2004 « », .
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3 15 2009 . 1107-

4 0 12716:2001 « -
» (ISO 12716:2001 «Non-destructive testing — Acoustic
emission inspection — Vocabulary»)

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Non-destructive testing. Acoustic emission Inspection.
Vocabulary

— 2011—01—01

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2.1 ; (acoustic emission):

- a)
- b)
- c)

2.2 - ; (acoustou)trasonics): -

2.3 (signal duration):

2.4 (signal end):

2.5 (signal generator): -

2.6 (signal rise time):

2.7 (signal start):

2.8 - (array):

2.9 (attenuation):

2.10 (average signal level):

1

- 2.11 (channel, acoustic emission):
- 2.12 $[N]$ (count, acoustic emission):
- 2.13 $[N,]$ (count, event):
- 2.14 $[N]$ (count rate, acoustic emission):
- 2.15 (couplant):
- 2.16 (dB_{A3}) :

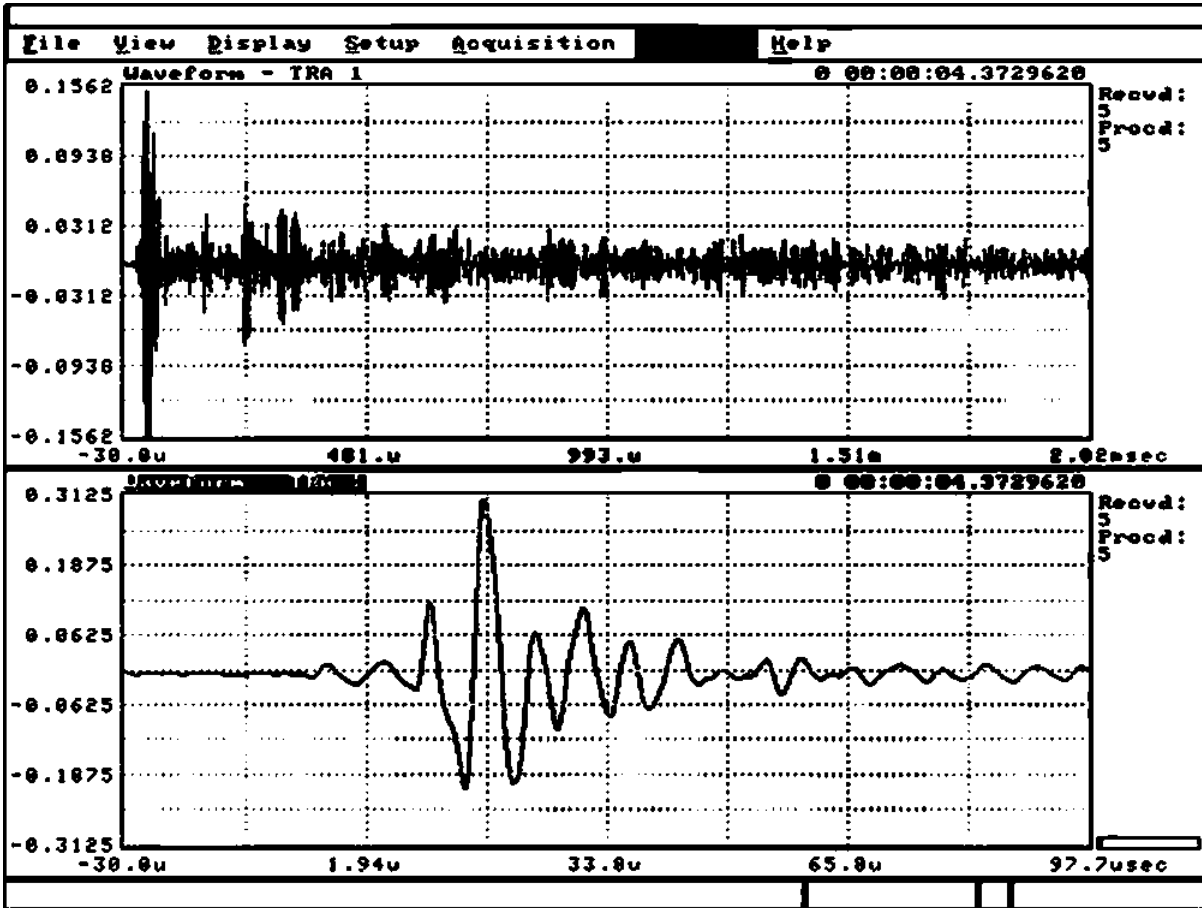
$$i/ = 20 \log_{10} iV_u)$$

$$0 = 1$$

20	10
40	100
60	1
80	10
100	100
- 2.17 (dead time):
- 2.18 $F(V)$ (distribution, amplitude, cumulative (acoustic emission)):
 $V, V.$
- 2.19 $F_c(V)$ (distribution, threshold crossing, cumulative (acoustic emission)):
 $V.$
- 2.20 $f(V)$ (distribution, differential (acoustic emission) amplitude):
 V^*
- 2.21 $f_t(V)$ (distribution, differential (acoustic emission) threshold crossing):
 $- /) F0).$
- 2.22 $g(V)$ (distribution, logarithmic (acoustic emission) amplitude):
 $\ll (-),$
- 2.23 (dynamic range):
- 2.24 (effective velocity):
- 2.25 (emission, burst):
- 2.26 (emission, continuous):

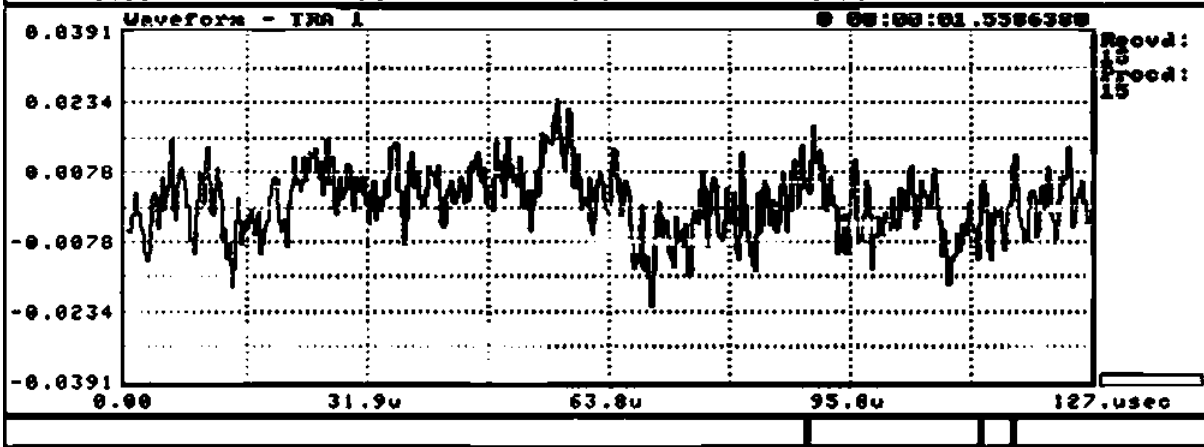
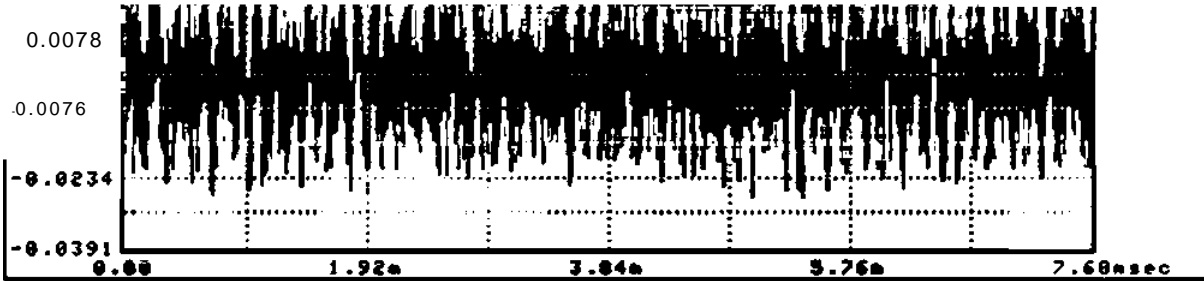
2.27	(energy, acoustic emission event):	,	-
2.26	(evaluation threshold):	,	-
2.29	(event, acoustic emission (emission event)):		
()		
2.30	(examination area):	,	-
2.31	(examination region):	,	-
()		
2.32	(Felicity effect):		
2.33	(Felicity ratio):	,	-
2.34	(floating threshold):	,	-
2.35	(hit):	,	-
2.36	^(interval, arrival time):	/-	-
2.37	(Kaiser effect):		-
2.36	(cluster location):	,	-
2.39	(location, computed):		-
2.39.1	(linear location):	(-
)			
2.39.2	(planar location):		-
2.39.3	(30 location):		-
2.39.4	(adaptive location):		-
2.40	(continuous signal location):		-
2.40.1	(signal attenuation-based source location):	,	-
;		,	-
2.40.2	(correlation-based source location):		-
()		
2.41	(location, source):	,	-

2.42	(location, zone):		
2.42.1		(independent channel zone location):	-
2.42.2		(first-hitzone location):	-
2.42.3	sequence zone location):		(arrival -
2.43	(location accuracy):		-
2.44		(overload recovery time):	
2.45	(processing capacity):		
2.46		(processing speed):	-
2.47		[WJ (rate, event count):	
2.48		(acoustic emission sensor):	
2.49		(acousticemission signal):	
2.50		[u _m] (acoustic emission signal amplitude):	-
2.51		(signal overload level):	
2.52		() (signal overload point):	-
2.53		o6pa3(signature. acousticemission):	-
2.54	(stimulation):		
2.55	(. 2.28).	(system examination threshold):	-
2.56		(transducers, acousticemission):	-
2.57		(voltage threshold):	-
2.58		(waveguide, acoustic emission):	-



£il* «£ieu \$«tup Requisition RocuMtf S|»pf I[tlp

0.0391	«1	0	: 00:01.5586380	Recvd: 15
0.0234	-	-	-	Proc: 15
	-11-1-Kill			



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2.47
2.1
2.25
2.26
2.50
2.8
2.1

2.58
2.44
2.6

	2.5
-	2.16
	2.23
	2.45
	2.41
-	2.11
	2.4
	2.15
	2.33
	2.41
	2.39
	2.39.4
	2.42
	2.42.1
	2.42.3
	2.42.2
	2.40
,	2.40.2
,	2.40.1
	2.38
	2.39.1
	2.39.2
	2.39.3
-	2.17
	2.2
	2.54
	2.7
	2.30
	2.31
	2.9
-	2.53
	2.28
	2.52
	2.34
	2.55
	2.57
	2.56
-	2.48
	2.3
	2.36
,	2.20
,	2.18

