

1, 2, 2, 3  
 1 « - »,  
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 3 / 1906,

**-3003 " "**

( ), ( ), ( ), GPS NAVSTAR -3003 " ".  
 : -3003 " " : ,  
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 , , -3003 " " - .  
 , [1, 2].  
 , ( ) -3003 " " .  
 , [3-7], ( . . . ) ,  
 , UTC , ( )  
 ( ) , GPS ( ) SBAS -  
 , - ,  
 , -3003 ( ) ,  
 : WGS-84, -90.02, -95, -42, MGRS, UTM,  
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 [8-10] ,  
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RS-232, , -3003

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100 UTC.

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L1 (1575...1616 )

. -7 +12, L1 GPS

SBAS.

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	-60 /	>50
	-10 /	>75
	-40 /	>55

2

0,01...0,06	100 /	0,5...6,0	80 /
0,06...0,15	90 /	6...1000	70 /
0,15...0,50	86 /		

( 10 )  
 - 10 .  
 .3.  
 -3003  
 : ( ),  
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 ( ) ,  
 - 3...5 ,  
 - 15...18 .  
 - 1 , - 0,5 , - ,  
 1,9 , - 0,45 .

(Q <sub>1</sub> )	29
(Q <sub>2</sub> )	22
SBAS , GPS,	-140...-10
: - 10 - 10 - 10 GPS, SBAS	-153...-149 . -149...-136 . -149...-122 .
1593...1609 125...10 <sup>3</sup> 10 %	0 .
Q <sub>1</sub>	37 /
Q <sub>2</sub>	20
SBAS , GPS,	-3

( )  
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 ( ) [2].  
 RS-232,

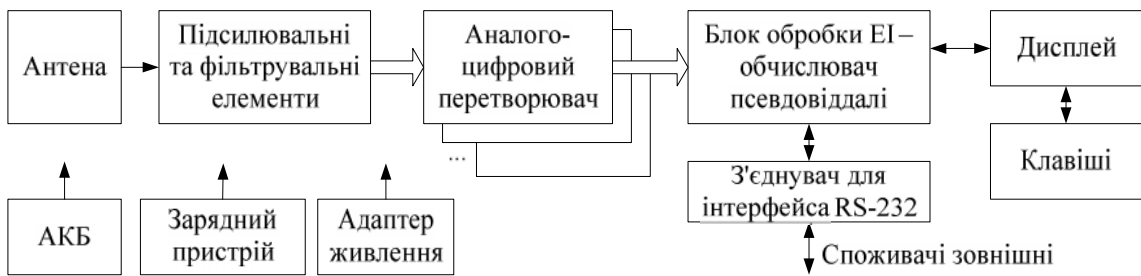
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 GPS - UTC  
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 18...62

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.2.

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	1570...1608
	2
	25,0±2,5
	3,5
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90° / 50...90° / 15...50° / 5...15°,	2 / 0 / -4 / -7
	2,75...5
	30

5...175°.

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220 , 50 .

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 Panasonic HHR200A,  
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	0,6±0,1
	5,0±0,5
	15

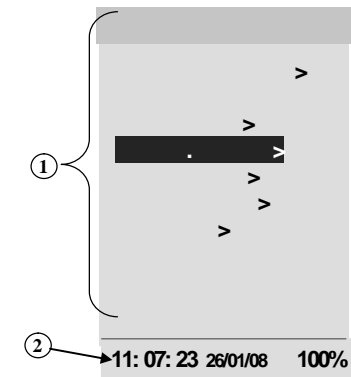
.4.



.4.

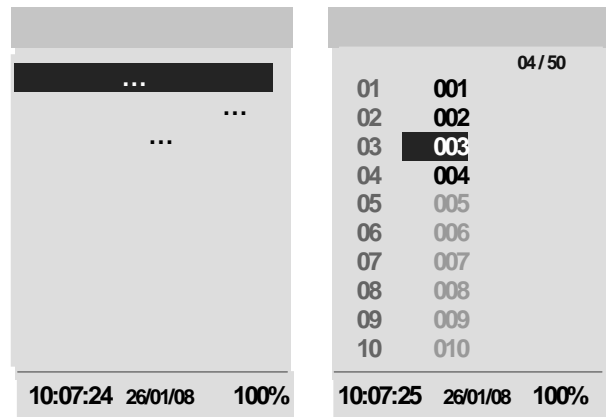
220 , 50  
 12,0±0,6

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-3003,

-3003.

-2000

1. [ ... ] - ...
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14.10.2010

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GPS NAVSTAR

TECHNICAL DESCRIPTION OF SN-3003 "BAZALT" NAVIGATION SYSTEM

. . Vodianyh, V.Yu. Tymchuk, I.O. Kondratiuk, D.I. Zarudniev

SN-3003 "Bazalt" is one of highly technological military equipment of Armed Forces of Ukraine. SN-3003 "Bazalt" is a receiver of signals of GPS and GLONASS satellite radionavigational systems. In the paper the technical aspects of this equipment, its combat capabilities exploitation peculiarities aimed at modernization of this system to create the integrated navigational system are highlighted.

Keywords SN-3003 "Bazalt": tactical possibilities, technical descriptions, essence of work, component apparatuses, formulary of navigation receiver.

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1,5 . 50% . 031 ,, "

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- 1/2 (Willys, MB, Ford GPW - 630 1941-1945 , 64-67 - 5,3 ,
- WV82 (Kuebelwagen) - 50 . . .);
- 3/4 (Dodge WC 56 -35,6 . . 1942-45 , Humber FWD - 6,5 . . fch 901, Steyr 1500 -

[1].

1941-42 - 1,5 ( - 3 - 1,5- : MAN, MB, Steyr).