

VISION 900



 **GIVI MISURE**

www.givimisure.it



	.	4
	.	5
()	.	6
()	.	6
	.	7
-	.	8
	.	12
	.	13
(REF)	.	14
	.	15
	.	15
/	.	16
	.	18
	.	18
	F 0	19
	F 9	20
	F 26	21
	F 28	23
	F 30	24
10	F 31	25
	F 32	29
/	F 34	30
	F 36	31
	F 37	31
„ „ .	F 38	32
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	F 46	34
	F 48	35
	F 50	36
	F 52	37
	F 54	38
	F 55	39
	F 64	40
	F 66	42

100
100

/

(TOUCH PROBE)

S-232

F 68	.	44
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GIVI MISURE



VISION 900
МИКРОКОМПЬЮТЕР

,
VISION,


(WEEE)

2002/96/EC

WEEE





 !

2006/42/ . , , ,

.

.

230 - 50/60 110 - 60 :

(, ø5x20 , 500 , 250).

24 - 50/60 ()

,

()

« .»). (

(X, Y, Z W),

(

).

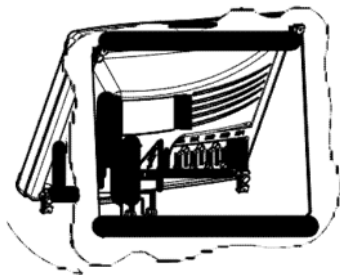
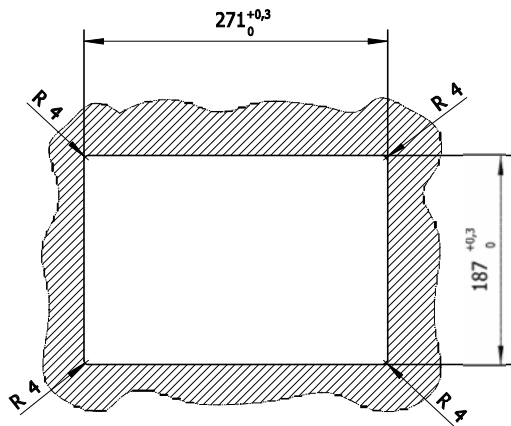
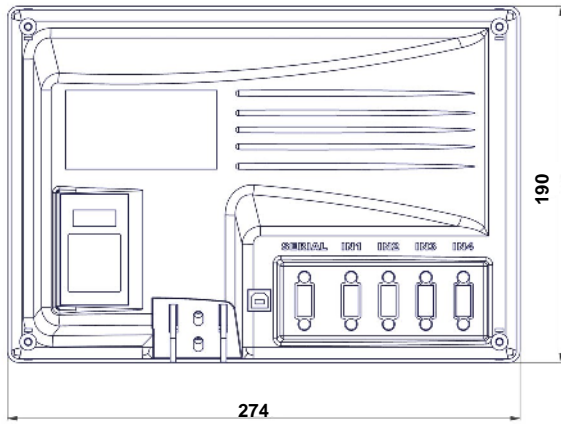
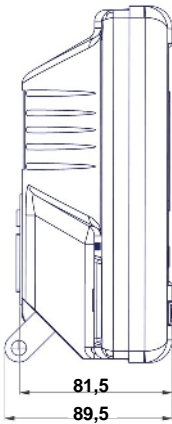
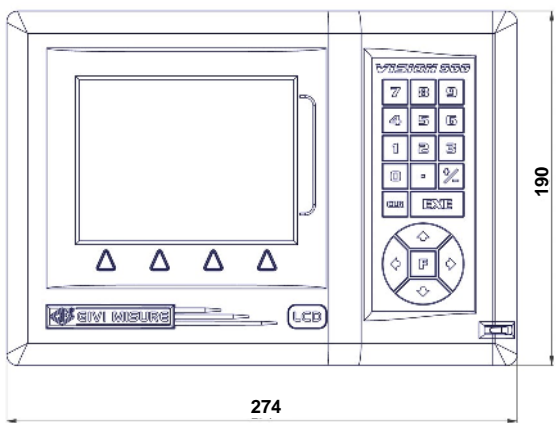
:

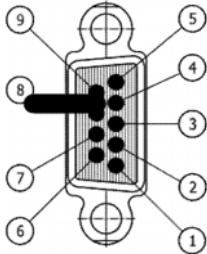
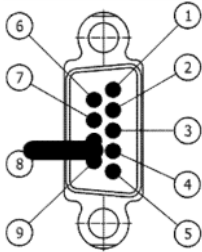
(, ,

).

,

(rEF).





IN1/ IN2/IN3/IN4

	N .	1	2	3	4	5	6	7	8	9
.		GND (CAN Bus)	RX (RS-232)	TX (RS-232)	GND (TP)	GND (RS-232)	IN (TP)	5V*	CAN _H	CAN _L

1- 4	N .	1	2	3	4	5	6	7	8	9
		B	/	Z	A	/	/	V+	GND	SHD

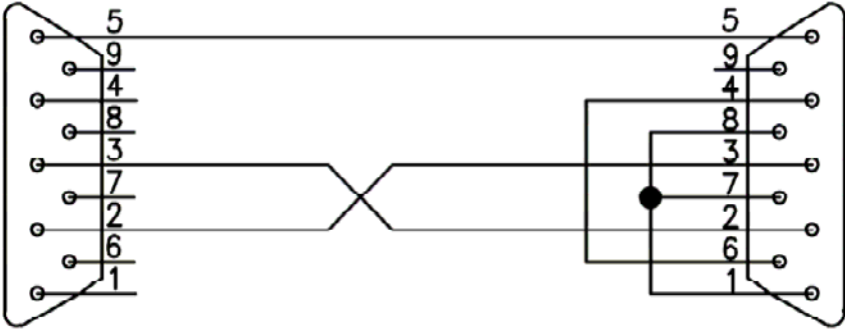
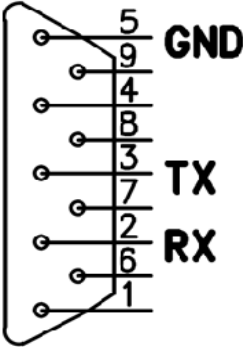
* : 100 A_{MAX}

- /

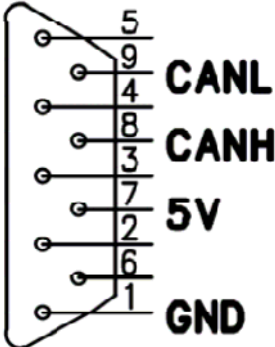
RS-232

(/)

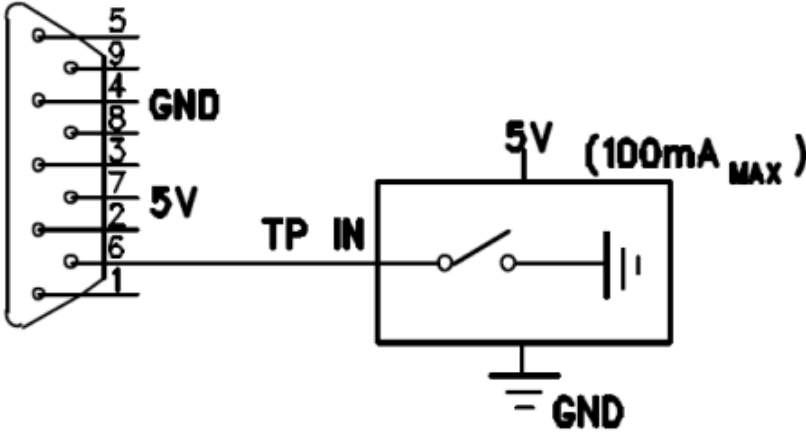
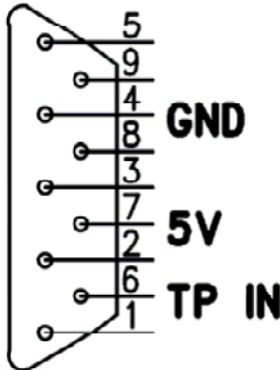
RS-232



CAN Bus

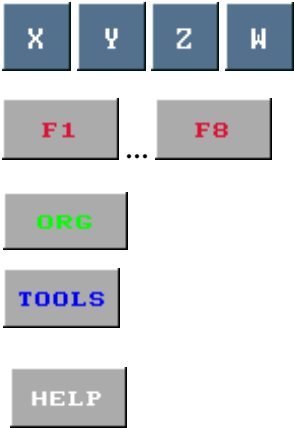
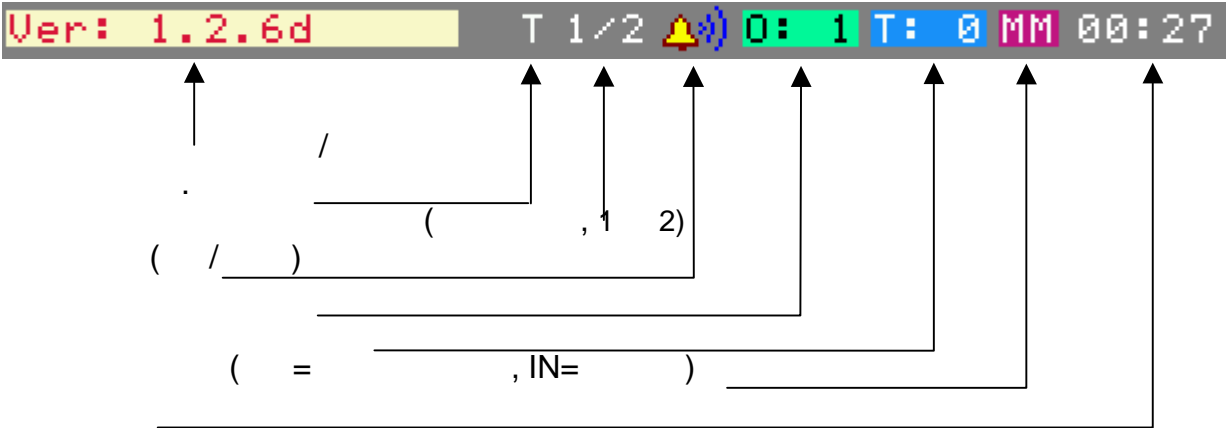


TOUCH PROBE





() :



X, Y, Z W

« / »
« / »
-

ZERO

REF ABS
INC

MM INCH 1/2

CALC

STORE REC COR

CLR

1 2 . 0

+/-

EXE

↑ ↓

← →

F

+ - * /

SIN COS TAN sin %

MR MS M+

GRAPH

CRONO

START STOP

RESET

ON OFF

DP LABEL

/ - « »

) (

/

/

(LABEL) (D.P.)

INFO

LIST

DEL

(.) . C

Error

« » ,



. « / » .

Error 20

№ ошибки	
10	(rEF)
11	
12	
13	
20	
21	
22	
23	
24	CSS (+24)
28	
81	
90	()
E0	()



(, ,)
,
,



, ABS/INC
(rEF).
,
(rEF)



CLR,

(
).

:
X =
Y =
Z =
W =

F 98722 **EXE**

Axis X	dir-
Axis Y	dir-
Axis Z	dir-
Axis W	dir-

« dir- » «dir»
-dir



Axis X	-dir
Axis Y	dir-
Axis Z	dir-
Axis W	dir-

EXE X

Axis X	-dir
Axis Y	dir-
Axis Z	dir-
Axis W	dir-

EXE

Z

Axis X	-dir
Axis Y	dir-
Axis Z	dir-
Axis W	dir-



Z

Axis X	-dir
Axis Y	dir-
Axis Z	dir-
Axis W	dir-

EXE

Z

Axis X	-dir
Axis Y	dir-
Axis Z	dir-
Axis W	dir-

EXE

W **123.45**

). EXE (CLR .

(REF)

(rEF)

(NCS),
(20)



REF

A)

(rEF)

(LAST POSITION).

(), ().

CLR.

B)

(rEF)

X / Y / Z / W REF REF



(rEF),

(rEF)

CLR.

A)

B)

C)



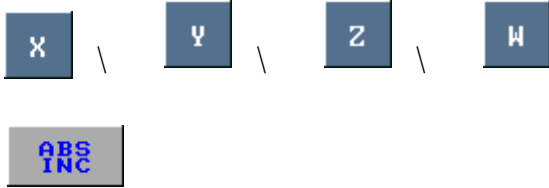
SET-UP DIGITAL READOUT

Test E2prom : no Error



ABS =
INC =

:



(ABS)

(INC).

(ABS/INC).

(ORIGIN)



X \ Y \ Z \ W

ZERO 0.00 X

() , 113,03, Y Y 113.03 113.03 Y

EXE 113.03 Y

Z:

, , 100,05 X X Z 100.05 100.05 X

EXE 100.05 X

:

) 1250 1250.00



MM
INCH

MM

IN



(. .). , , Y: ,
, Y 30,00 (Y.
)

Y

1/2

30.00

Y

Y 1/2

Y 52,22.

) 1/2

EXE

11.11

Y

Y (,)

"0,00",



F 0

F0



0



ENTER CODE

1 MEMORY



1:

2:

8:

9:

1 ()

3:

4:

5:

6:

7:

(,)



. .)

EXE.

F 9

(. RS-232)
(.19)

F 9.

F **9** **EXE**

prt. line 0

+/-

(0-19)

prt. line 1

EXE

57.0865 X

(4):

= DIGITAL READOUT =
AXIS X : 57.0865
AXIS Y : 10.8480
AXIS Z : -7.0985
UNIT : INCH

-----1 ----->
-----2 ----->
-----3 ----->
-----4 ----->

= DIGITAL READOUT =
AXIS X : 57.0865
AXIS Y : 10.8480
AXIS Z : -7.0985
UNIT : INCH

F 26

13,75 :

F 26 **EXE**

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W

1-

EXE

13.75 **EXE**

Axis X	0.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00
Axis X	13.75
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

EXE

F26 - PITCH X: 0

(, 0):

STORE 0 **EXE**

STO. PRG. PITCH 0



10 (0 9).

F 26 **EXE** **REC**

RCL. PRG. PITCH 0

COR

Axis X	13.75 mm
Axis Y	DISABLED
Axis Z	DISABLED
Axis W	DISABLED

EXE

0.00 X

X

-13.75 X

«CLR».

«0».

13,75 5 = 68,75 (

+/-

13.75 X

F26 - PITCH X: -1

∴ 13.75 +/- EXE).

EXE.

F 30

(CF)

ФАКТИЧЕСКОЕ ЗНАЧЕНИЕ (точно)

CF = -----

НОМИНАЛЬНОЕ ЗНАЧЕНИЕ (по чертежу)

400,00 (

) 400,20
) 399,88

200
120

400,20 : 400.00 = 1.0005 (CF)
399.88 : 400.00 = 0.9997 (CF)

F 30 EXE

Axis X	1.000000
Axis Y	1.000000
Axis Z	1.000000
Axis W	1.000000

1.0005 EXE

Axis X	1.000500
Axis Y	1.000000
Axis Z	1.000000
Axis W	1.000000

0.9997 EXE

Axis X	0.999700
Axis Y	1.000000
Axis Z	1.000000
Axis W	1.000000

CF. EXE,



F 31. CF

1)

()

2)

CF.

3)

CF=1,

F 0.

4)

5)

(

	F 31	10
--	-------------	-----------

CF

(10)

(500 900)

950 1350

COR

1 2 3 . 4 5

X

0» (. 500)

EXE.

5 0 0 . 0 0

X

400

4 0 0 . 0 0

X

: 400,20

4 0 0 . 2 0

X

EXE

5 0 . 0 0

EXE

5 0 . 0 0

EXE

4 0 0 . 0 0

: 399,88

3 9 9 . 8 8

X

EXE

0 . 0 0

X

CLR

Axis X	YES
Axis Y	NO
Axis Z	NO
Axis W	NO

(X, Y, Z W).



- 1. (REF.
- 2.)
- 3. , . **F30**
- 4. . **F31,**
- 5. **F30.** , , , ,
- 6.). . . (, , ,)
- 7. ()
- 8. NO
CF = 1 .
- 9. **F31** (. **F28**).
- 10. COR .

F 32

(ScF)

- 1 : 2.5 (ScF = 2.5) 1 : 4 (ScF = 4) ..
- 2 : 1 (ScF = 0.5) 4 : 1 (ScF = 0.25) ..
- % (*) + 10% (ScF = 0.9) + 15% (ScF = 0.85) ..
- % (*) - 10% (ScF = 1.1) - 15% (ScF = 1.15) ..

(*)

1:1) ABS, INC. (

).



32



SCALE FACTOR (коэффиц.масштаб.	NO нет)
-----------------------------------	------------



SCALE FACTOR (коэффиц.масштаб.	YES да)
-----------------------------------	------------



ScF,

SCALE FACTOR (коэффиц.масштаб.)	1.000000
------------------------------------	----------

1:2,5

2.5



/ **F 34**

Нажмите **F** **34** **EXE**

X :	Rad.
Axis Y	Rad.
Axis Z	Rad.
Axis W	Rad.



Axis X	Dia.
Axis Y	Rad.
Axis Z	Rad.
Axis W	Rad.

EXE

Axis X	Dia.
Axis Y	Rad.
Axis Z	Rad.
Axis W	Rad.

EXE

∅.

)

)



- 1.
- 2.
- 3.
- 4.

F 36

F 36 EXE



Axis X	0.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

Axis X	0.0
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

+/-

EXE.

F 37

F37.

F 37 EXE



DMS (Град.Мин.Сек.)	NO нет)
------------------------	------------

DMS (Град.Мин.Сек.)	YES да)
------------------------	------------

EXE

0.00.00

GGG.MM.SS.

(/).



1.

2.

F 38

ANG

PPR (/).

$$\frac{360^\circ}{PPR \times 4}$$

:1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° - 0.01° - 0.005° - 0.002° - 0.001°

- 3.6 (0.001°)
90.000.

) 0° 360°
) 0° 180°

-180° 0°

F

38

EXE

ANGULAR READING 0 - 360°
(измер. в град и долях град)

+/-

ANGULAR READING +/- 180°

EXE

0.00



- 1.
- 2.
- 3.

F 44

$\varnothing 1 = 60$ $\varnothing 2 = 80$ $L = 190$

F 44 EXE

MIN. DIAMETER

$\varnothing 1$ **60 EXE**

MIN. DIAMETER 60
MAX. DIAMETER

$\varnothing 2$ **80 EXE**

MIN. DIAMETER 60
MAX. DIAMETER 80
LENGTH

L 190 EXE

MIN. DIAMETER 60
MAX. DIAMETER 80
LENGTH 190
>>ANGLE<< 3.013°

3,013°

CLR

1 2 3 . 4 5

F 46

F

46

EXE

MIN. DIAMETER
(.)

0.00 X

, 60

EXE

MIN. DIAMETER
MAX. DIAMETER
LENGTH

60.00 X
60.00 X
0.00 Y

, 80 , L = 190

EXE

MIN. DIAMETER
MAX. DIAMETER
LENGTH
>> ANGLE <<

60.00 X
80.00 X
190.00 Y
3.013°


CLR

1 2 3 . 4 5

F 48

(ISO), (WHITWORTH).

F 48 **EXE** SELECT THREAD - ISO STANDARD

 (ISO WHITWORTH) SELECT THREAD - ISO STANDARD

EXE () SELECT THREAD - ISO STANDARD
DIAMETER (mm)

, ,6 .
6 **EXE** () SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm)

, ,1 .
1 **EXE** () SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm) 1
SCREW TOOL RAD. 0.144338 mm

EXE () SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm) 1
HOLE TOOL RAD. 0.072169 mm

, () SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm) 1
HOLE INT. DIAM. 4.91747 mm

() SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm) 1
HOLE EXT. DIAM. 6.072169 mm

() SELECT THREAD - ISO STANDARD
() DIAMETER (mm) 6
() PITCH (mm) 1
WEB DIAMETER 4.77313 mm

CLR

1 2 3 . 4 5

F 50

F

50

EXE

SELECT MATERIAL (материал) -ALUMINIUM (алюминий)

+/-

EXE

SELECT MATERIAL (материал) -STEEL (сталь)



F

50

EXE

SELECT MATERIAL (материал) -ALUMINIUM (алюминий)

COR

NEW DENSITY ()

(. 3,2)

3.2

EXE

VALUE DENSITY 3.2
SELECT GEOMETRY -ROUND

CLR

1 2 3 . 4 5



(0 9)

STORE:

EXE.

4,

F 50 EXE REC 4 EXE.

COR.

F 52

(RPM).

F 52 **EXE** / ENTER RPM VALUE

. , 50 / .

50 **EXE** / ENTER RPM VALUE 50
ENTER DIAMETER

. , 200 .

200 **EXE** / ENTER RPM VALUE 50
ENTER DIAMETER 200

/ SPEED (m/min) 31.416

31,416 / . 200 ,
50 / .

CLR . **1 2 3 . 4 5**

F 54

F 54 **EXE**

ENTER SPEED VAL.

,70 / .

/ ,

70 **EXE**

ENTER SPEED VAL. 70
ENTER DIAMETER

,100 .

100 **EXE**

ENTER SPEED VAL. 50
ENTER DIAMETER 100
SPEED (rpm) 222.817

222,817

/

,
:
:
()
:
,



F 98718.

Нажмите

CLR

1 2 3 . 4 5

55

F 55

F 55 **EXE**



EXE

Send NO
(отправить нет)

Send YES
(отправить да)

57.0865 X

+2 ABS 0,5 . INC (ASCII =57,0865, Y=10,8480, Z= -7,0985) (11)

- " 57.0865" + CR + LF
- " 10.8480" + CR + LF
- " -7.0985" + CR + LF

CR = (0Dh)
LF = (0Ah)

F 64

, 4 100
F **64** **EXE** - CENTER POINT 0.00 X
 0.00 Y

EXE ENTER DIAMETER

, 100
100 **EXE** ENTER DIAMETER 100
 STARTING ANGLE

() , 0°
0 **EXE** ENTER DIAMETER 100
 STARTING ANGLE 0
 NUMBER OF POINTS

, 4.
4 **EXE** -50.00 X
 0.00 Y

"F64 - POINT 1 "
 0 (0 9):

STORE **0** **EXE** STO. ROUND FL. 0

10 (0 9).
 -50,00 Y 0,00.

«CRL» **EXE**.

F

64

EXE

REC

RCL. ROUND FL.

0

COR

DIAMETER

100 mm

STARTING ANGLE

0°

NUMBER OF POINTS

4

EXE

- 50.00

X

0.00

Y

CLR

123.45

F 66

3

F **66** **EXE** - CENTER POINT 0.00 X
0.00 Y

EXE ENTER DIAMETER

, 100

100 **EXE** ENTER DIAMETER 100
STARTING ANGLE

() , 0°

0 **EXE** ENTER DIAMETER 100
STARTING ANGLE 0
END OF ANGLE

() , 180°

180 **EXE** ENTER DIAMETER 100
STARTING ANGLE 0
END OF ANGLE 180
NUMBER OF POINTS

, 3

3 **EXE** - 50.00 X
0.00 Y

"F66 - POINT 1 "

0 (0 9):

STORE **0** **EXE** STO. SP.RND.FL. 0



10 (0 9).

-50,00 Y 0,00.

«CRL».

EXE.

F

66

EXE

REC

RCL. SP.RND.FL.

0

COR

ENTER DIAMETER

100 mm

STARTING ANGLE

0 °

END OF ANGLE

180 °

NUMBER OF POINTS

3

EXE

- 5 0 . 0 0

X

0 . 0 0

Y

CLR

1 2 3 . 4 5

F 68

Y).

F 68 EXE

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W

EXE

Axis X	0.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

100 EXE

Axis X	100.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

EXE, W, 0. Y, Z,

Axis X	100.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00
ENTER ANGLE	0.00

(), 45°.

45 EXE

0.00 X

"F68 - PITCH X: 0 . "

0 (0 9):

STORE 0 EXE

STO. PRG.INC.P. 0

10 (0 9).

F 68 **EXE** REC

RCL. PRG.INC.P. 0

COR

Axis X 100.00 mm
Axis Y DISABLED
Axis Z DISABLED
Axis W DISABLED
ANGLE LEVEL X Y 45.00 °

EXE

0.00 X

X

-70.71 X

-70.71 Y

«CRL»

«0»

+/-

70.71 X

70.71 Y

"F68 - PITCH X: -1 . "

) , +/- , (: 100,00
+/- EXE). ,
) « » ,
) .

F 69

), "0" (

X = 1.5
Y = Z = W = 0 ()

Нажмите **F 69 EXE**

Axis X	0.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

Нажмите **1.5 EXE**

Axis X	1.50
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

EXE,
Y, Z, W, 0.

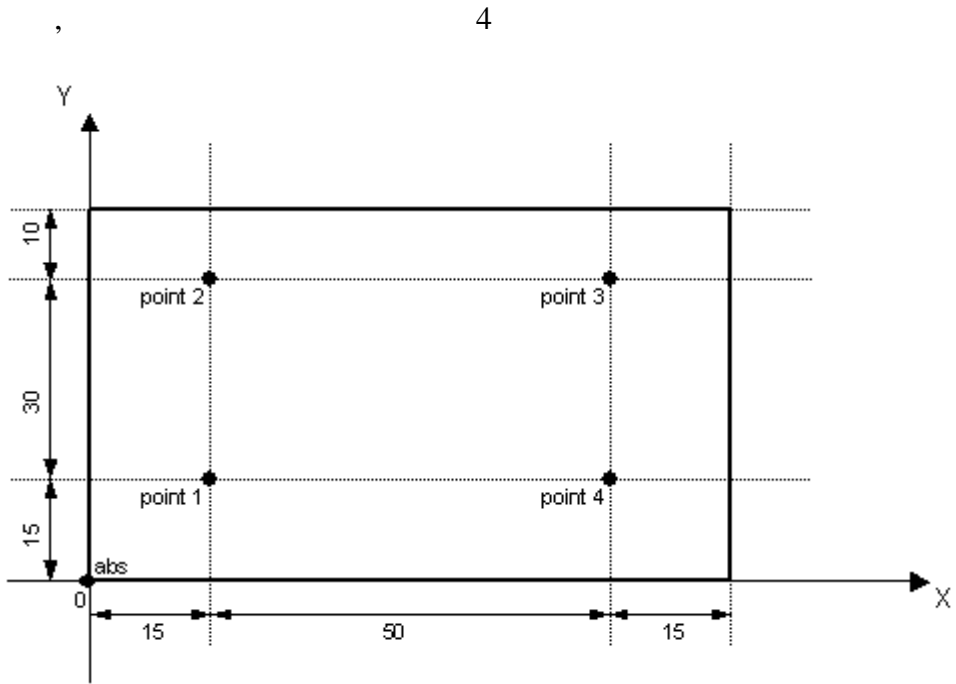
Axis X	1.50
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

X
(+/- 1.5).

- 1.
- 2.
- 3.
- 4. = 0.
- 5.

F 70

(X,Y,Z,W), 1000 ,



F 70 EXE

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W

(abc).

F70 ,

Z W (Z W)

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W

X Y (abs).

EXE

SdM	10
-----	----

(.10)

VISION 900

STORE

0.00 X

0.00 Y

= 0,00 Y = 0,00.

X Y

"F70 - MEMORY 10 "

:

X Y

=15,00 Y = 15,00 (1

).

EXE

X Y

10

15.00 X

15.00 Y

X Y

=15,00 Y = 45,00 (2

).

EXE

X Y

11

15.00 X

45.00 Y

X Y

= 65,00 Y = 45,00 (3

).

EXE

X Y

12

65.00 X

45.00 Y

X Y

= 65,00 Y = 15,00 (4

).

EXE

X Y

13

65.00 X

15.00 Y

CLR

123.45

10-13.

(10):

F 70 **EXE**

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W
	(abc).

Z **W** (

Z W)

INITIAL POINT	0.00 X
	0.00 Y
	0.00 Z
	0.00 W

X Y

(abs).

EXE

SdM	10
-----	----

(. 10)

REC

0.00	X
-------------	----------

0.00	Y
-------------	----------

X Y

(10).

-15.00	X
---------------	----------

-15.00	Y
---------------	----------

X Y

=0,00 Y = 0,00 (1)



X Y

11

0.00	X
-------------	----------

-30.00	Y
---------------	----------

X Y

= 0,00 Y = 0,00 (2)



X Y

12

-50.00	X
---------------	----------

0.00	Y
-------------	----------

X Y = 0,00 Y = 0,00 (3)



X Y

13

0.00

X

30.00

Y

X Y = 0,00 Y = 0,00 (4)



X Y

12

0.00

X

-30.00

Y



1

50.00

X

0.00

Y

X Y = 0,00 Y = 0,00 (1)



123.45



1. 1000 (0 999).
- 2.
- 3.
- 4.

F 72

F 72 **EXE** 0.00 X
 :

0.00 Y

"F72 - POINT 1 "

EXE 123.45 X

123.45 Y

"F72 - POINT 2 "
 (.45°)

EXE 123.45 X

123.45 Y

"F72 - POINT 3 "
 (.45°)

EXE 0.00 X

0.00 Y

"F72 - X CENTER QUOTA 0.00 mm "

(0.00)
 «EXE»

X, Y
 Y.

CLR 123.45

F 74

F 74 **EXE**



EXE

Axis X	Nor.
Axis Y	Nor.
Axis Z	Nor.
Axis W	Nor.

Axis X	Spec.
Axis Y	Nor.
Axis Z	Nor.
Axis W	Nor.

Axis X	Spec.
Axis Y	Nor.
Axis Z	Nor.
Axis W	Nor.

EXE,



«NOR»

«SPEC»,

1

F 78

F32.

F 78 **EXE**

DISP.SCALE FACT. NO
(отображ.коэф.масшт. нет)



DISP.SCALE FACT. YES
(отображ.коэф.масшт. да)

EXE

1 2 3 . 4 5

1 : 2.5

SF=2.500000



- 1.
- 2.

F 78

).

(,

F 80

F 80 **EXE**



EXE

ENABLE SPEED NO
(актив.скорость нет)

ENABLE SPEED YES
()

1 2 3 . 4 5

X 0.000 Y 0.000 Z 0.000 W 0.000



- 1.
- 2. **F 78,**

/ F 82

F 82.

F 82 **EXE**



EXE

BUZZER ON
(зуммер Вкл)

BUZZER OFF
()

1 2 3 . 4 5



F 89

F

89

EXE

Axis X	0.00
Axis Y	0.00
Axis Z	0.00
Axis W	0.00

1)

()



6 /

()

(, - Z):

Fault Z

2)

EXE

CODE 000

7	101	5	202	3	304	CLR		F	401
8	102	6	204	0	108	EXE			008
9	104	1	301	.	208		001		002
4	201	2	302	+/-	308		004		

:

+/-

CODE 308

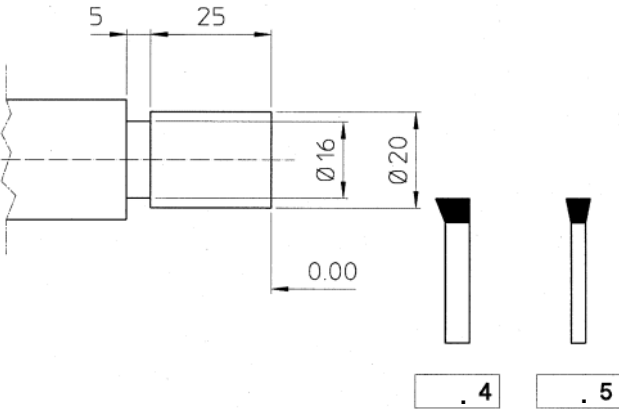
F

CODE 401

100

100 (0-99).

REF



REF,

4,

Y,

()

TOOLS 4 STORE

TOOL OFFSET 4 (коррекц. на инструмент)

4

() Y.

TOOLS 5 STORE

TOOL OFFSET 5

5

TOOLS 4 REC

TOOL OFFSET 4

0,00 ()

T: 4

4.

TOOLS

LIST

TOOL OFFSET

4

5

STORE REC



(0-99)



DEL

YES,

+/-,

EXE.

100

100 (REF) (0-99).

/).

REF, (, 1).

ORG

1

STORE

ORIGINS (.)

1

1

ORG

1

REC

ORIGINS (.)

1

0,00
REF



0: 1

1.

F 1 - F 8

8

«F26».



26



ENTER CODE

26



«F1»

«F4»,

«F5»

«F8»,



;

1/2

1 2



INITIAL POINT

0.00 X
0.00 Y
0.00 Z
0.00 W

«F1» – «F8»
«F».



F 98718

F 98718 **EXE**



EXE

SET SPEED INDEFINITE
(установить скорость) (неопред.)

SET SPEED DISCRETE
(установить скорость) (дискретн.)

SET SPEED DISCRETE
(установить скорость) >> 01 <<
(дискретн.)

(, 25 /).

25 **EXE**

SET SPEED DISCRETE
(установить скорость) >> 02 <<
(дискретн.)

0,

EXE.

20



COR

EXE.

F 98718 **EXE**



EXE

SET SPEED (установить скорость)	DISCRETE (дискретн.)
------------------------------------	-------------------------

SET SPEED (установить скорость)	CONTINUOUS (непрерывн.)
------------------------------------	----------------------------

SET SPEED (установить скорость)	CONTINUOUS MIN. (непрерывн. мин)
------------------------------------	--

6 **EXE**

(,6 /).

SET SPEED (установить скорость)	CONTINUOUS MIN. . 6 (непрерывн. мин)
------------------------------------	---

2700 **EXE**

(, 2700 /).

SET SPEED (установить скорость)	CONTINUOUS MAX. 2700 (непрерывн. мин)
------------------------------------	--

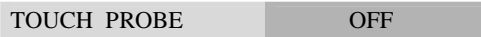
(TOUCH PROBE) F98757

Touch Probe ()

(x):

OFF = Touch Probe.
1 = RS-232.
2 =
3 =

: 1.



Touch Probe

“T”, TP



« RS-232.

: 2

X, Y W.





TOUCH PROBE Mode 2



TOUCH PROBE Mode 2
Axis



TOUCH PROBE Mode 2
Axis XY W



1 2 3 . 4 5

Touch Probe

“T”, TP X, Y W

: 3.



98757



TOUCH PROBE OFF



TOUCH PROBE Mode 3



1 2 3 . 4 5

Probe

TP

“T”, Touch

F72, F64, F66.

F 98760

-
-
-
-

: A-Z, Xo, Yo, Zo, Wo.

(0 6).

: Zo 2.



Axis 1	X
Axis 2	Y
Axis 3	Z
Axis 4	W



Axis 2	X
Axis 2	Y
Axis 3	Z
Axis 4	W



Axis 2	X
Axis 2	Zo
Axis 3	Z
Axis 4	W



Axis 2	X
Axis 2	Zo
Axis 3	Z
Axis 4	W

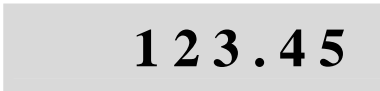
ON/OFF (/).

: W.



W

Axis 1	X
Axis 2	Zo
Axis 3	Z
Axis 4	OFF



LARGE () (2), SMALL () / MEDIUM () / MEDIUM () (3) and SMALL () (4).

: 2 , (MEDIUM).



Axis 1	X
Axis 2	Y

Font size	MEDIUM
-----------	--------



CLR

1 2 3 . 4 5



0.5

3

(1)

:

F

98760

EXE

DP LABEL



EXE

Axis 1	X
Axis 2	Y
Axis 3	Z
Axis 4	W
	0.0000
Axis 2	0.000
Axis 3	0.000
Axis 4	0.000
	0.000
Axis 2	0.000
Axis 3	0.000
Axis 4	0.000
	0.000
Axis 2	0.000
Axis 3	0.000
Axis 4	0.000

EXE



INFO

:

- ()
- /
- /
- /
- /
- /

CLR

123.45



F 98762

F 98762 EXE

SELECT LANGUAGE ENGLISH

+/-

SELEZIONE LINGUA ITALIANO

EXE



(: :)



- 24 .

CROND

START
STOP

RESET



RESET (/),

CLR

123.45



(:),

RS-232

SLAVE.

```

.           9600
.
.           -      -1      -8
.

```

```

  X \  Y /  Z /  W

```

EXE

```

= DIGITAL READOUT =
AXIS X :      57 . 0865
AXIS Y :      10 . 8480
AXIS Z :      -7 . 0985
UNIT   :      INCH

```

ASCII

“Q” + CR + LF

```

(          , X =57,0865, Y=10.8480, Z= -7,0985)
(9          + 2          ):

```

```

" 57.0865" + CR + LF
" 10.8480" + CR + LF
" -7.0985" + CR + LF

```

```

CR      =      (0Dh)
LF      =      (0Ah)

```



	VISION 922IN VISION 933IN VISION 933TO VISION 933FR VISION 944FV VISION 944FT VISION 944AL VISION 944IN		2 3 3 3 4 4 4	(*) (*) (*) (*) (*) (*) (*)
	(*)			
	5.7"	LCD		
	5	TTL		90° ± 5° +
	300			
	230 ± 10% - 50/60 110 ± 10% - 60 24 ± 10% - 50/60			
	60 (230) 120 (110) 500 (24)			
	D-SUB 9p F (), D-SUB 9p M (RS-232, CAN Bus, Touch Probe), USB-B (USB)			
	1000 - 500 - 200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 - 0.2 - 0.1			
	0.05 - 0.02 - 0.01 - 0.005 - 0.002 - 0.001 - 0.0005 - 0.0002 - 0.0001 - 0.00005 - 0.00002 - 0.00001 - 0.000005			
	1 - 0.5 - 0.2 - 0.1 - 0.05 - 0.02 - 0.01 - 0.005 - 0.002 - 0.001 °			
(EN 60529)	IP 40	IP 54		
	0 °C ÷ 50 °C			
	-20 °C ÷ 70 °C			
	1120			
	CAN Bus, Touch Probe			





VISION

12

(MB),



All Around the World



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SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

