

(... , ... , ... ())

(, , ,),
[1, 2].

,
1

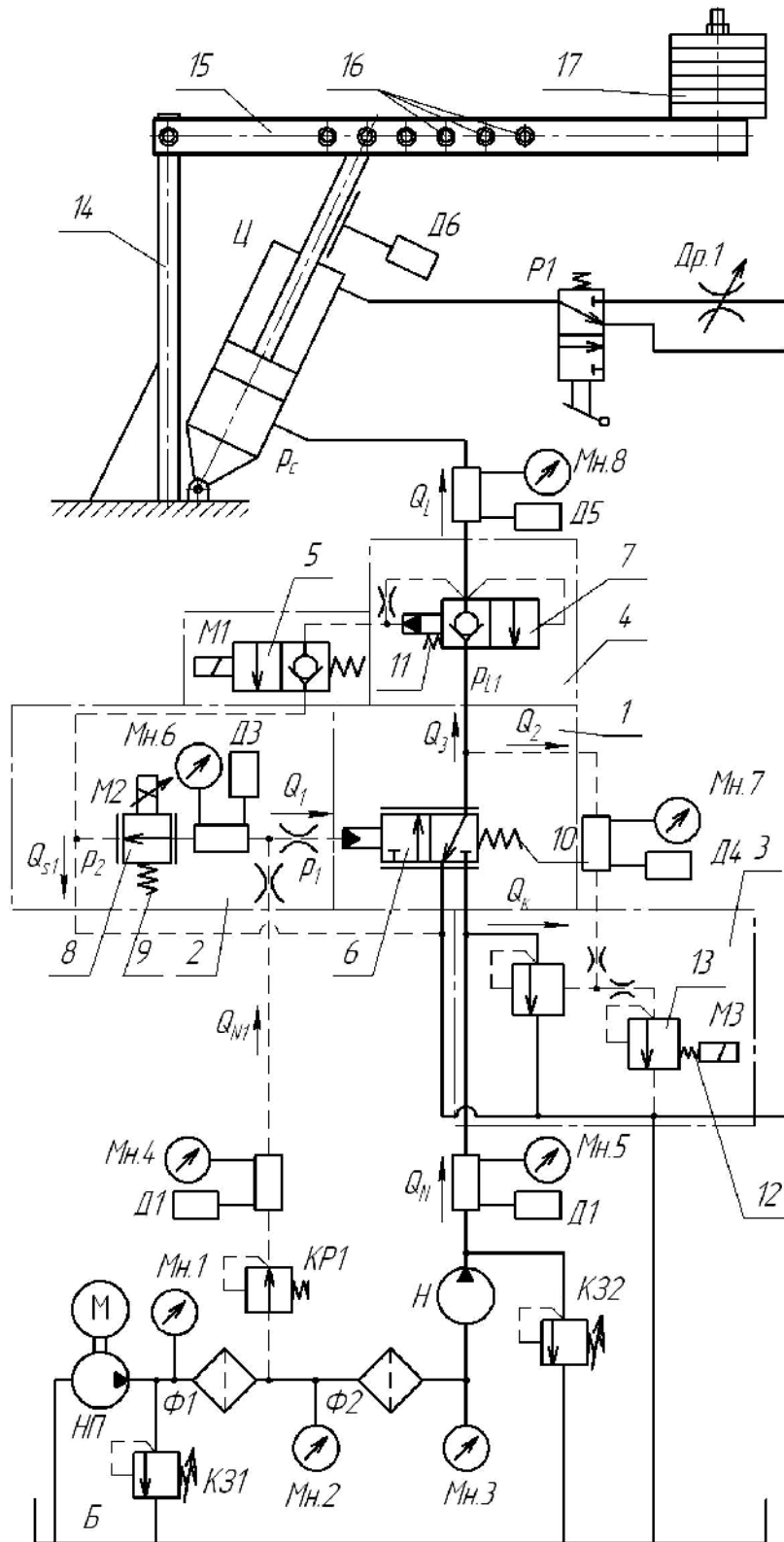
[3].

(, ,) - ,

15, 14.
17
16.) 15 (

.1
.1
1

3,
q = 80 3. 2 1
q = 60 1



5. - 2, 3 4 1

2. 1 1 2 ,

- 9 2 8 2

1, 10 Q_{SI} Q_{NI} , Q_I 0. 6 Q_{NI}

p_1 1 7,

Q_N 11, 3 2 (Q Q_N).

Q_3 $p_2 - p_1$ Q_{SI} p_1 Q_I , 6 7 4 (

Q_2 1, 5 3 ,

12, 13. 3

p_N 3

.

.

. 2 . 2

2 5, 3, 1, 4

6. 1 18. 13, 5, 6

14 21 .

15 13 14 , 7 ,

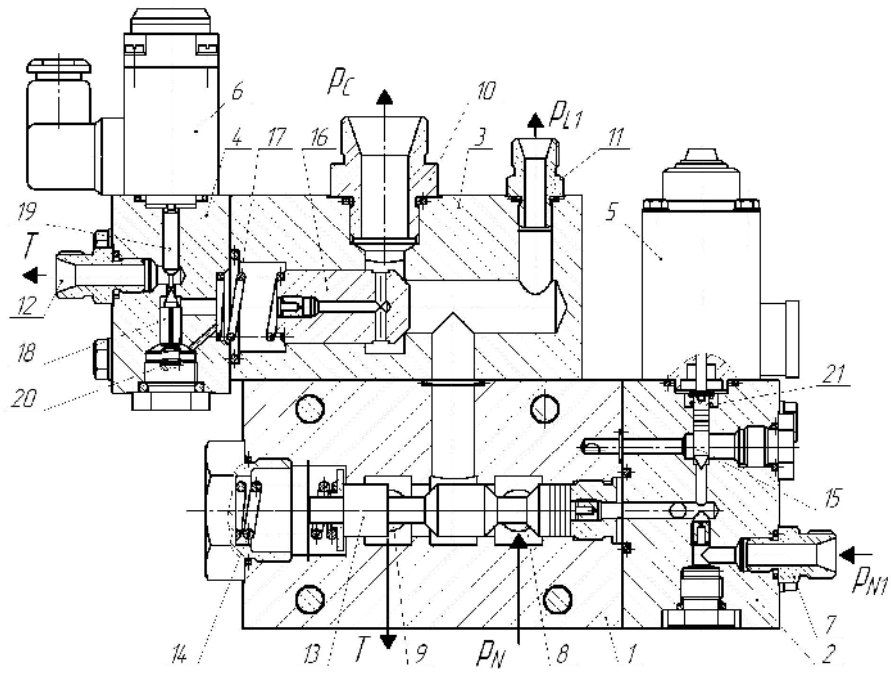
16 3 3 9. 17 10 ,

18 4 20 .

16, , 3.

19, 6, 18

16 12 ; 9,



.2.

5, 15. 18. 13, 4)
 , 8 (3. LI,
 16, 10.

[4-6].

.1 - 8

1, 2, 3, 4, 5,
 6.

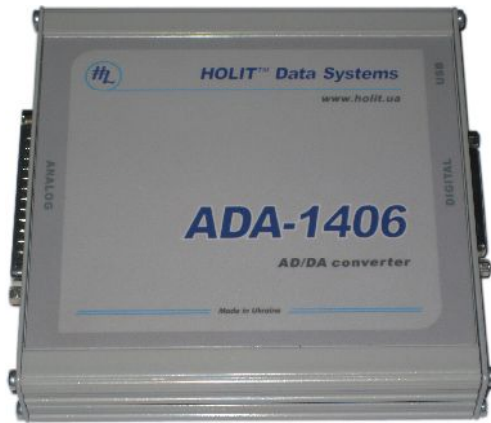
ADA - 1406 [7].

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AD -1406

USB,

(.3).



3. ADA-1406 USB

ADA-1406 :

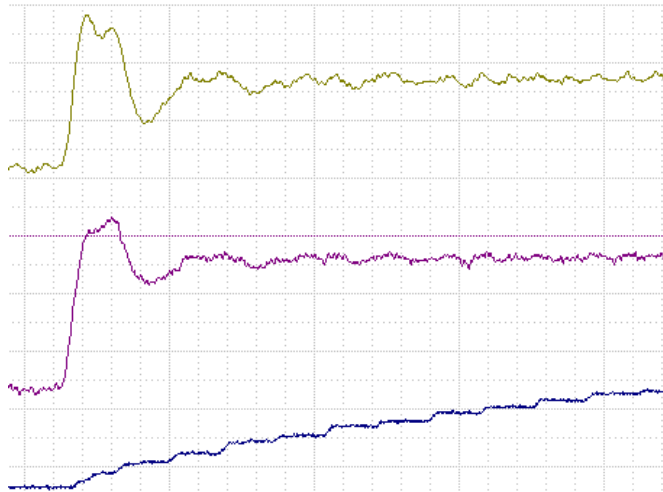
2-
4

0 350 .

PowerGraf (Demo),

Win98/2000/XP [8].

(/ ,
).



4

.4.

– 1, 4 6 (.1).

p_N, p_{LI}

$$F_C = 1,59 \cdot 10^{-3} \text{ }^2, F_{Cl} = 1,1 \cdot 10^{-3} \text{ }^2;$$

$$W_H = 2 \cdot 10^{-3} \text{ }^3;$$

$$d_3 = 20 \cdot 10^{-3} \text{ , } d_{SI} = 8 \cdot 10^{-3} \text{ , } m = 500 \text{ . } d_Z = 26 \cdot 10^{-3} \text{ , } d_L = 28 \cdot 10^{-3} \text{ ; } 2 \text{ .}$$

SUMMARY

Test rig is proposed for research of static and dynamic descriptions of proportional directional unit based on spool and check valves with electro-hydraulic control . the developed test rig allows to conduct the physical design of working processes in hydraulic system and fixing of processes, by means of oscillography.

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2. . . . - . . . , 1976.- 365 .
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