

Fire Control

T 3 - Determining the elements for fire due to of substitute instruments

References and further reading 1/4:

MO ČR. *Bojové použití dělostřelectva Armády České republiky*. Dě1-1-1. Praha: 2002. 92 s.

MO ČR. *Dělostřelecký průzkum, topograficko-geodetická a meteorologická příprava dělostřelectva všeobecné palebné podpory*. Dě1-6-4. Praha: 1996. 144 s.

MO ČR. *Palebná služba pozemního dělostřelectva*. Dě1-3-1. Praha: 1995. 185 s.

MO ČR. *Doktrína Armády České republiky*. Praha: 2004. 148 s.

References and further reading 2/4:

MO ČR. *Bezpečnostní strategie České republiky*. Praha: 2003. 22 s.

AAP-6 (STANAG 3680), *NATO glossary of terms and definitions, Přehled termínů a definic používaných v NATO*. Brusel: NSA, april 2007.

AArtyP-1(A) (STANAG 2934) *Artillery Procedures, Dělostřelecké postupy*. Brusel: NSA, březen 2004.

AArtyP-5 (STANAG 2484) *Field artillery tactical doctrine, Taktická doktrína polního dělostřelectva NATO*. Brusel: NSA, leden 2002.

References and further reading 3/4:

AAP-38 (STANAG 2484) *NATO Artillery Glossary, Terminologický slovník dělostřelectva NATO*. Draft document. Brusel: NSA, únor 2001.

STANAG 2014 *Formats for orders and designation of timings, locations and boundaries, Struktura rozkazů, uvádění časových údajů, názvů, míst a rozhraní*. Brusel: NSA, říjen 2000.

ČOS 10001 *Dělostřelecké zbraně názvy a definice*. Praha: Úřad pro obrannou standardizaci, katalogizaci a statní ověřování jakosti, 2006. 20 s.

SOBARŇA, M., POTUŽÁK, L., VONDRÁK, J., aj. *Základní pojmový aparát pozemního dělostřelectva AČR*. Brno: Univerzita obrany, 2011. 186 s.

References and further reading 4/4:

Pravidla střelby a řízení palby pozemního dělostřelectva (dělo, četa, baterie, oddíl). Pub-74-14-01. Vyškov: Správa doktrín Ředitelství výcviku a doktrín, 2007. 256 s.

Course Objectives:

Explain the basic principles and procedures for determining the topographical features and calculated corrections to the fire control unit (PUO 9M).

Content:

- 1) Preparing equipment for fire control PUO – 9M
- 2) The main part of the device for fire control PUO – 9M
- 3) Control device PUO – 9 M
- 4) Orientation ruler to the main direction
- 5) Plotting the elements of a military deployment
- 6) Determination of topographic features on the device for fire control PUO – 9 M

1) Preparing equipment for fire control PUO – 9M

Procedure:

- ☐ case lay down a harness and handle together,
- ☐ open pouch and remove the device comprising grasping with both hands just above the horizontal arm,
- ☐ open upper half ruler (of 90 °) to the upright position by grasping the arm on the left side of the device,
- ☐ on the protractor to loosen the fixing screw (the curved part), turning left about ¼ and moving to the edge of the protractor (to himself) to remove him from the bed,
- ☐ open ruler (both halves in the horizontal position),

1) Preparing equipment for fire control PUO – 9M

Procedure:

- ☐ ruler locks ensure against closure (inserting and turning the lock of 90 °),
- ☐ lay the device on a horizontal surface ruler up,
- ☐ horizontal extension ruler:
 - ☐ loosen the fixing screw on sledges,
 - ☐ pulled out a ruler to ¼ upper part (apart) ruler,
 - ☐ use of the right side of the protractor on the horizontal ruler extension (for easier insertion lift the fence about 1 mm),

1) Preparing equipment for fire control PUO – 9M

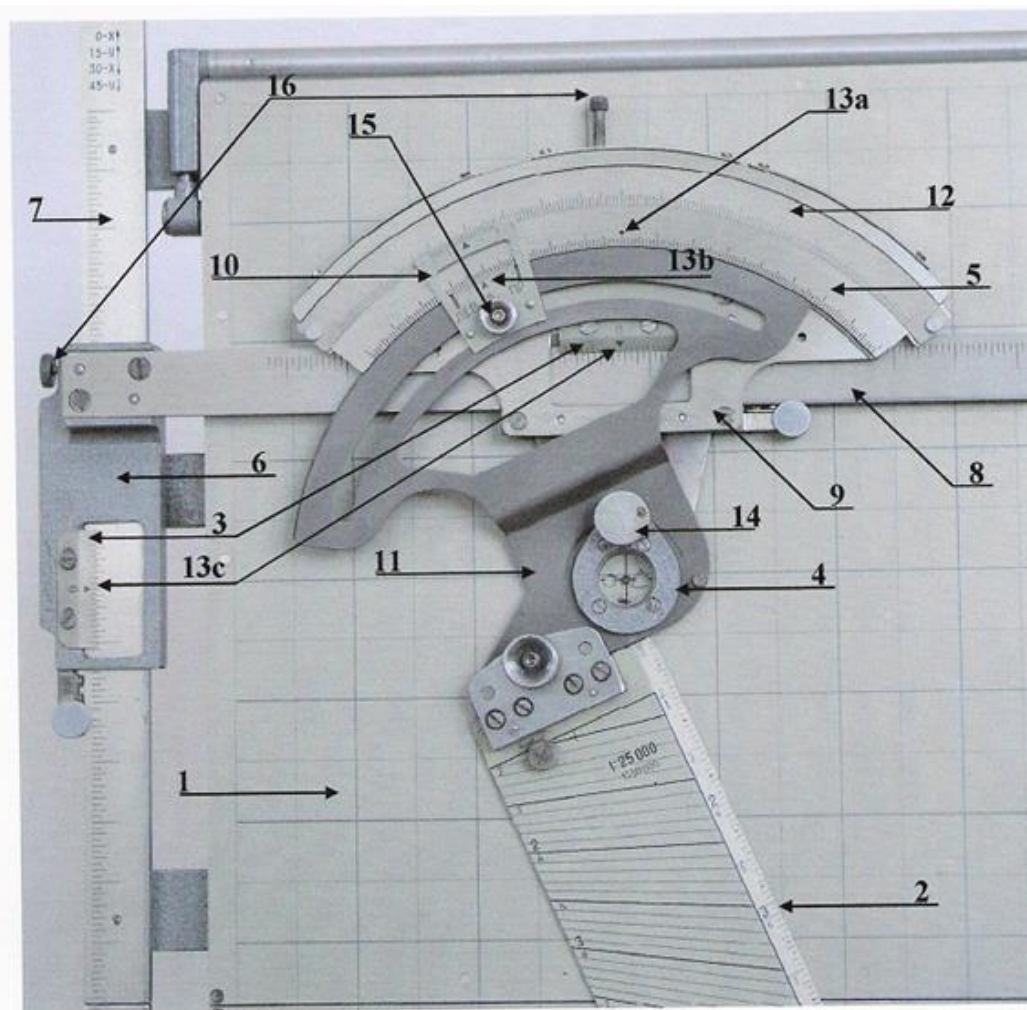
Procedure:

- ☐ removed from the housing district ruler (with graphical firing tables) grip in the middle right hand lifted about 5 mm and the pressure on the upper left-hand end of the eject him from capture,
- ☐ on the protractor to release the screw remote ruler (to the extreme position) and deploy remote holes in the fence taper pins,
- ☐ ruler to consolidate remote locking screw.

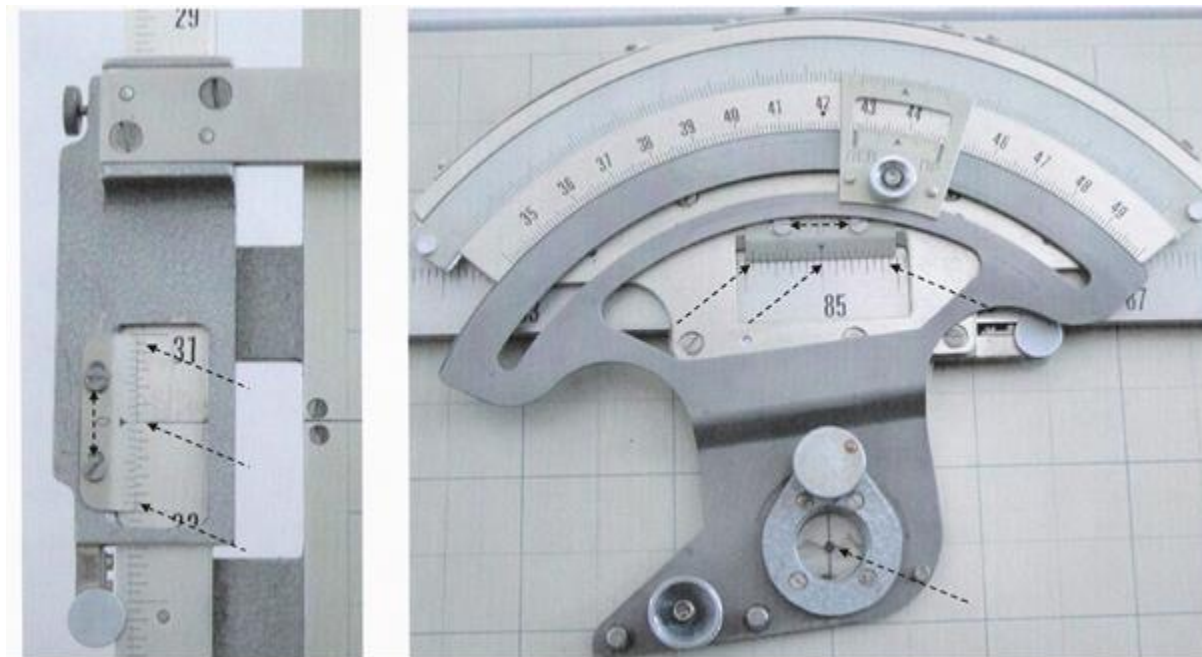
The main part of the device PUO – 9M are shown in Fig. 22.

To further clarify the true data from the example given in the paper 3.2.1.

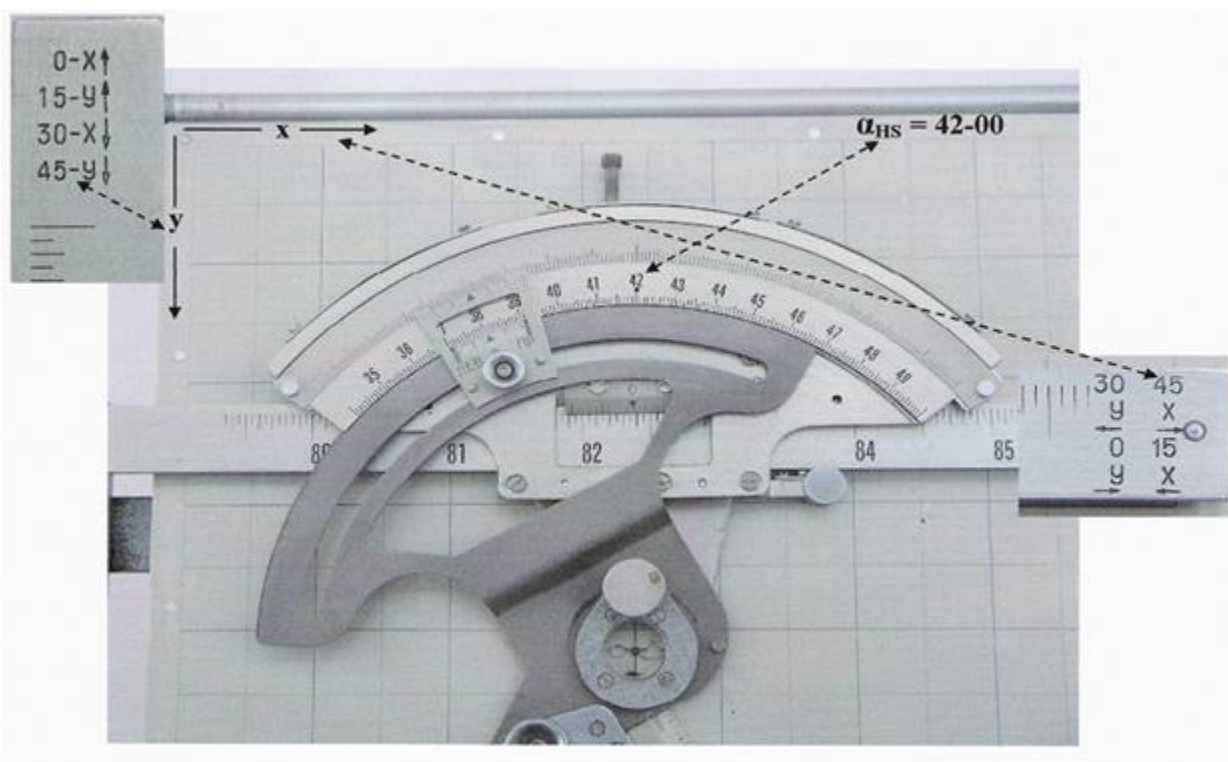
2) The main part of the device for fire control PUO – 9M



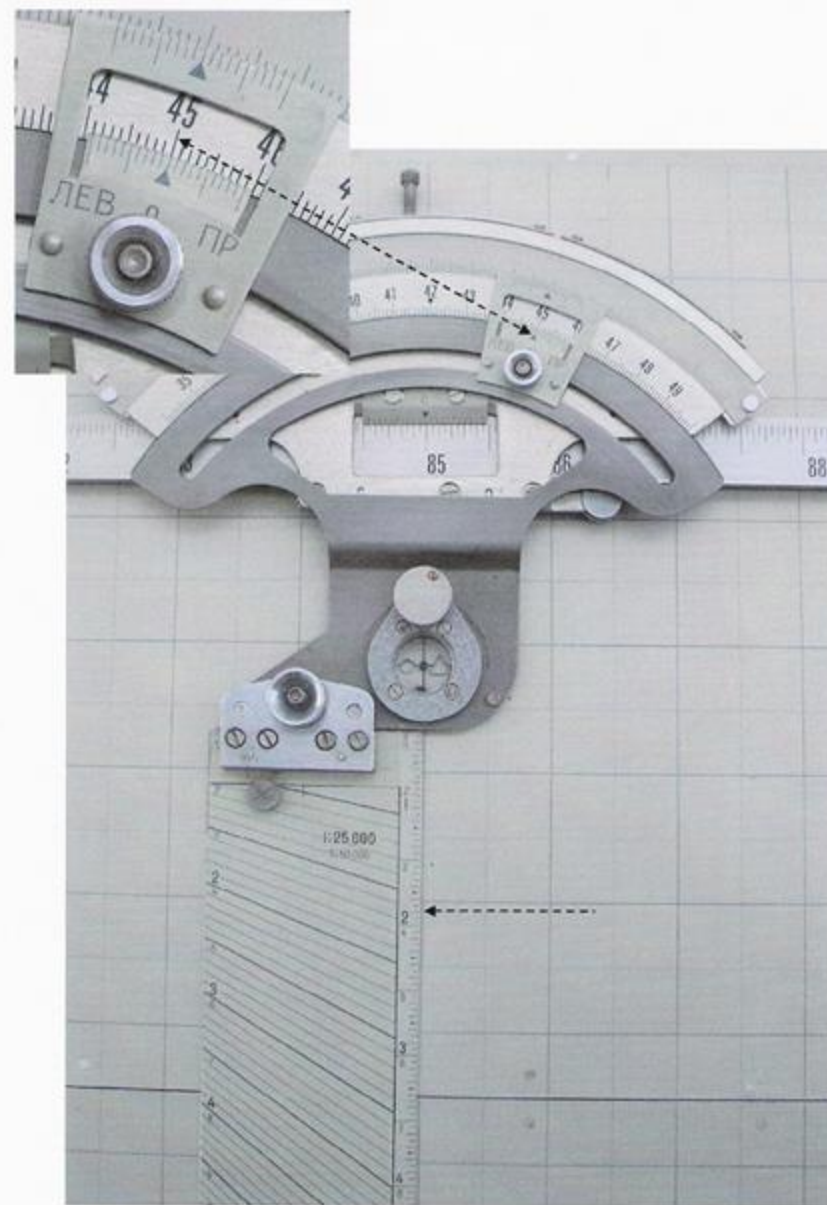
3) Control device PUO – 9 M



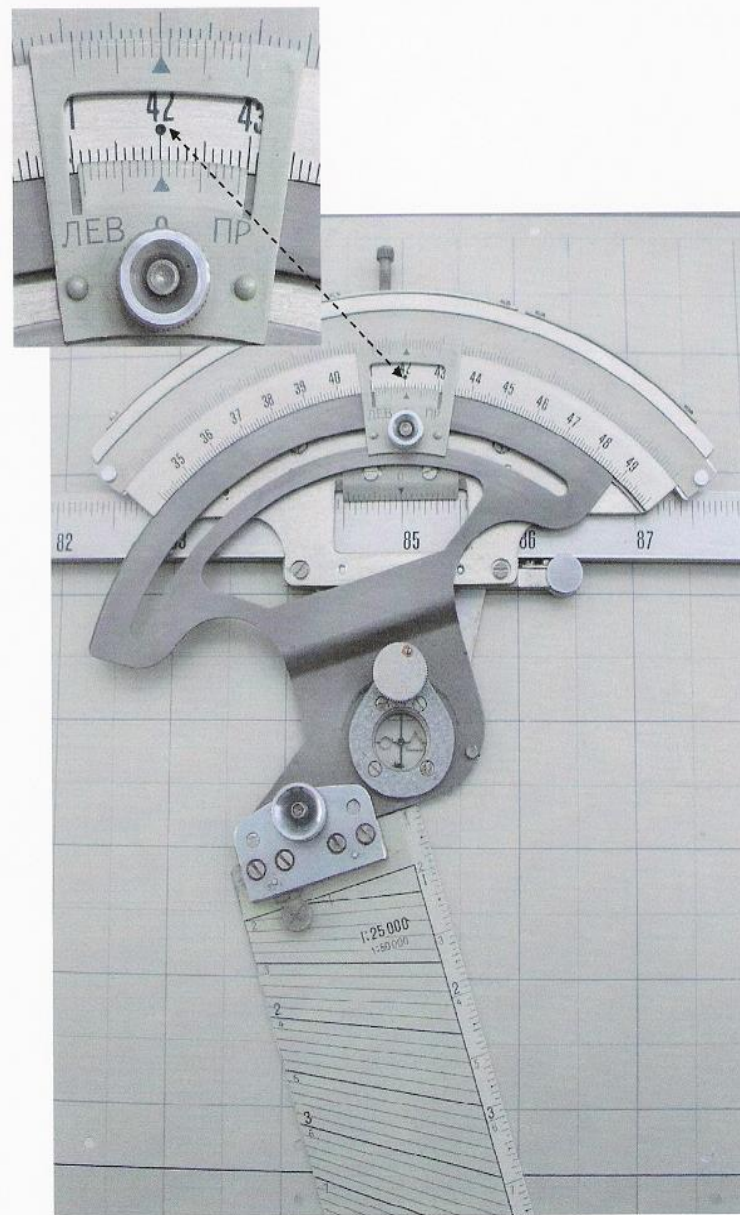
4) Orientation ruler to the main direction



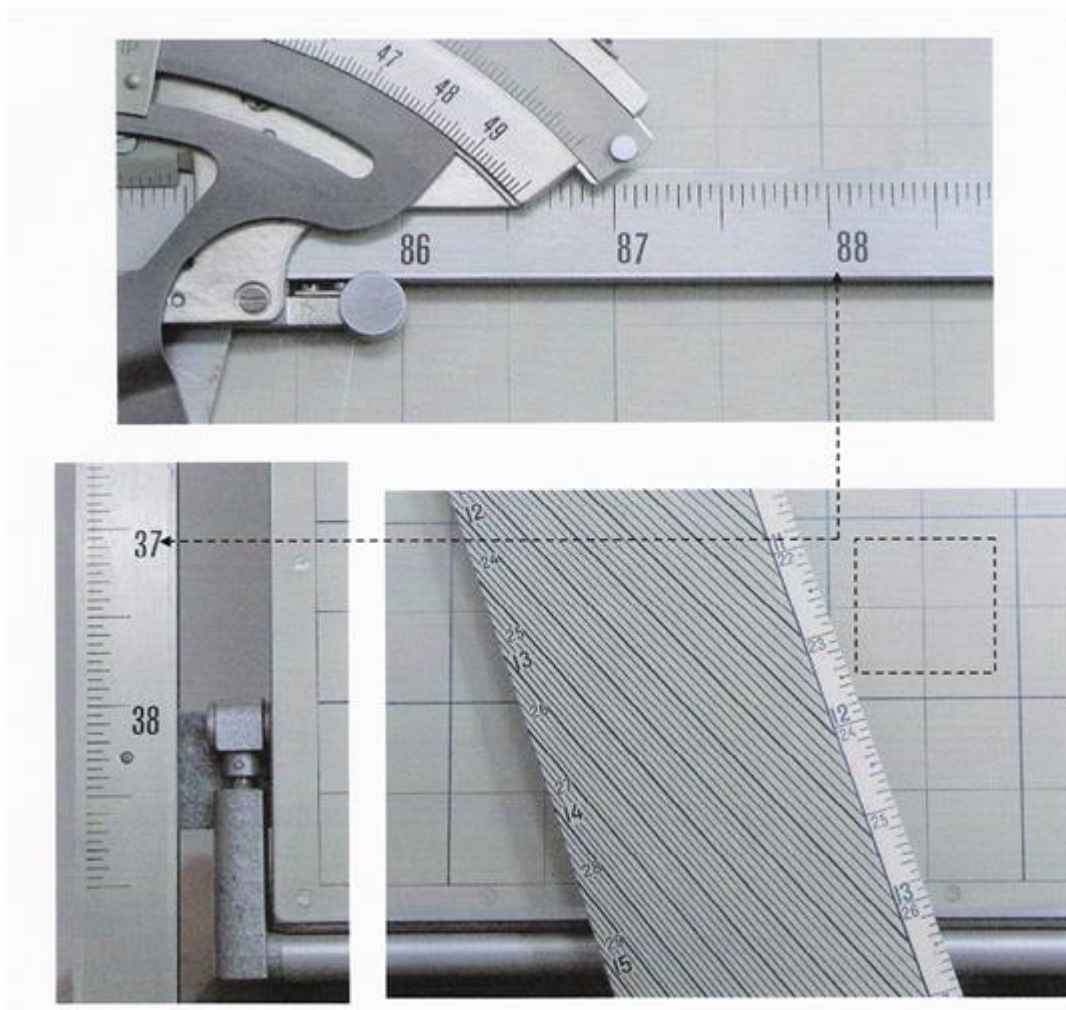
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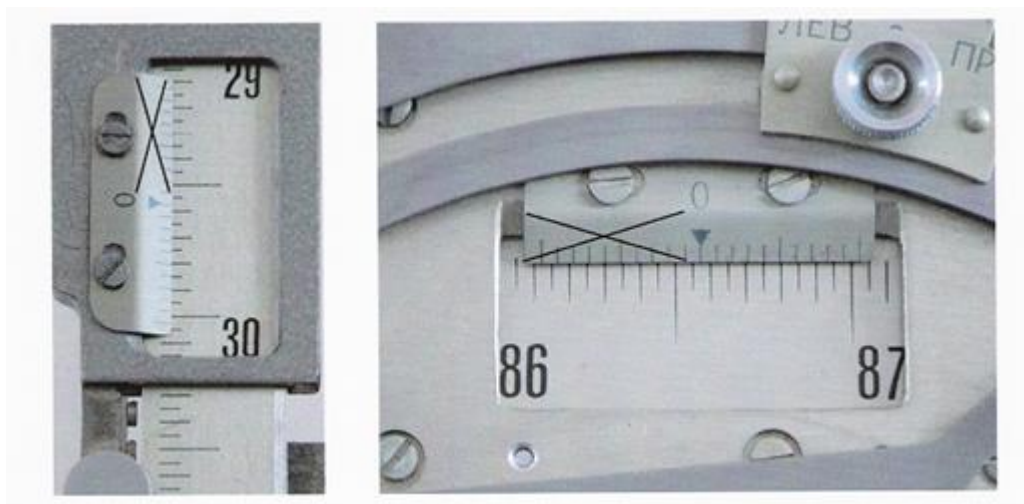
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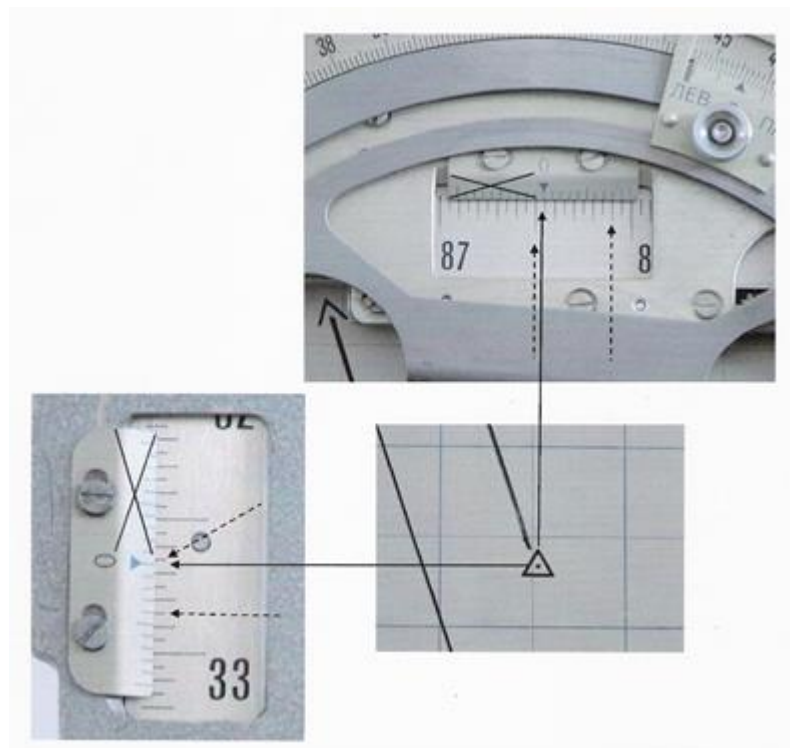


5) Plotting the elements of a military deployment

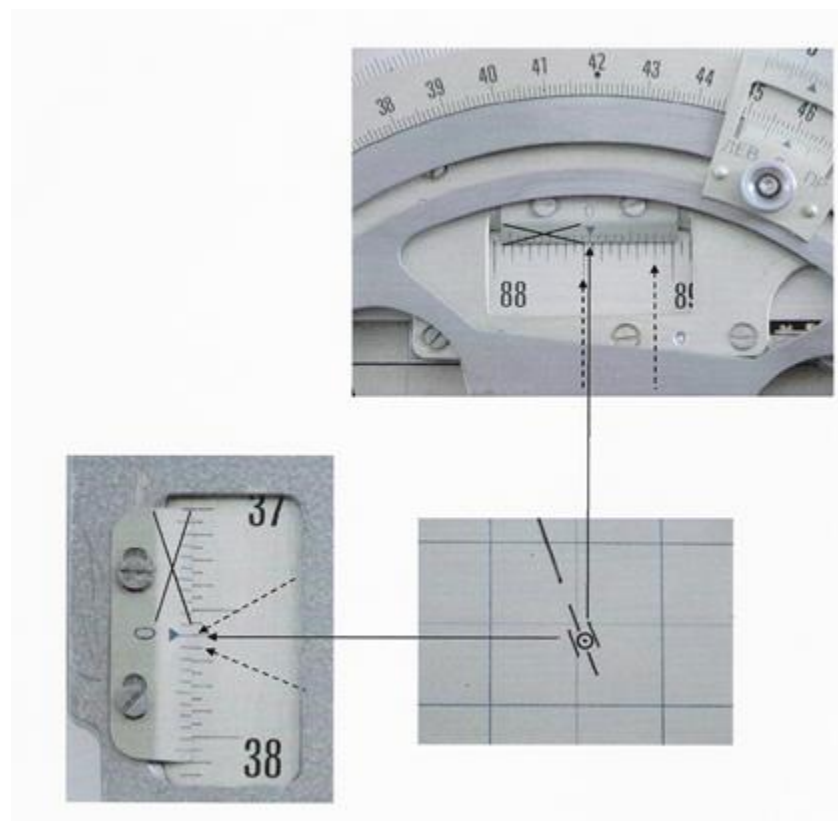
Coordinate delivery of the observation:

- ☐ coordinates N (X) observation:
 - ☐ identify the zero index Chip coordinates with the value 87 500 identify the zero index Chip coordinates with the value N (X) ,
 - ☐ at the scale 1 : 25 000 is a piece of noni to coordinate extension 5 m,
 - ☐ for the remaining 40 m true: $40 : 5 = 8$,
 - ☐ identify the eighth mark noni with the next line the discharging rulers,
 - ☐ total coordinate N (X) observation is 87 540.
- ☐ coordinates E (Y) observation:
 - ☐ identify the zero index Chip coordinates with the value 32 650 mark on the ruler staging axis E (Y),
 - ☐ for the remaining 20 m true: $20 : 5 = 4$,
 - ☐ identify the fourth mark noni with the next line the discharging ruler,
 - ☐ total coordinate E (Y) observation is 32 670.

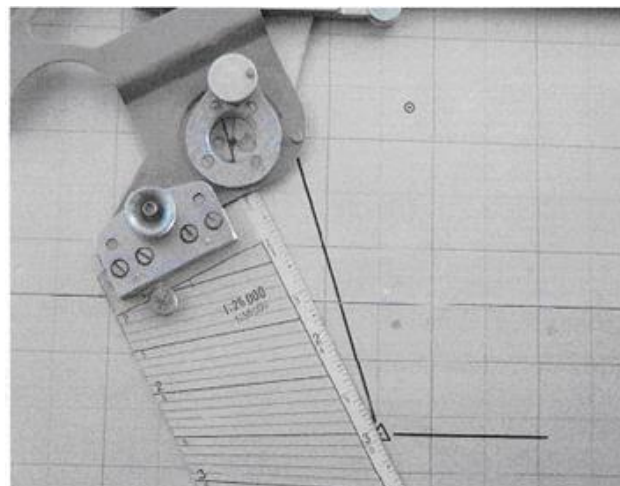
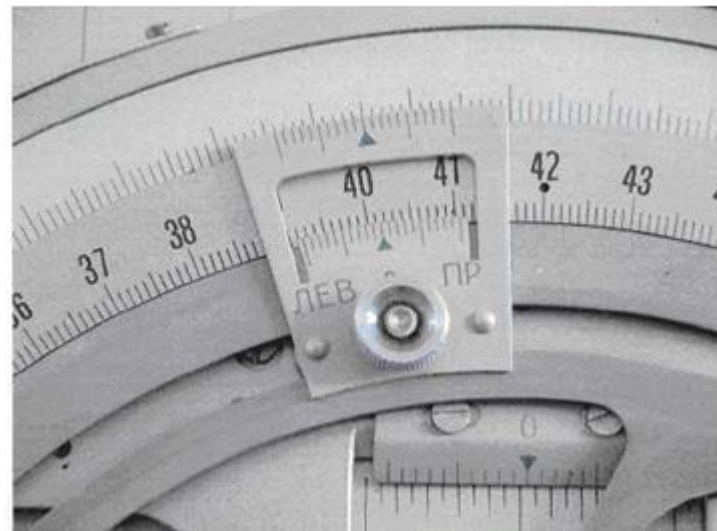
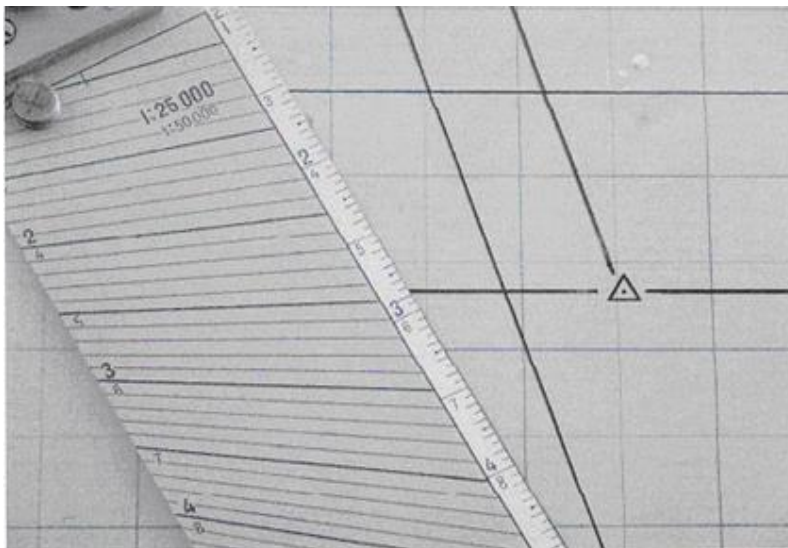
5) Plotting the elements of a military deployment



5) Plotting the elements of a military deployment



5) Plotting the elements of a military deployment



6) Determination of topographic features on the device for fire control PUO – 9 M

