Turn the pin 3 so that the rack slide bar 12 slides down until the test cone waivrayO Mortar consistency meter is used to determine the fluidity of mortar (general fluidity is also known as consistency). The consistency of mortar is expressed by the number of centimeters of depth to which a standard cone of a certain geometry and weight freely sinks under its own weight into the mortar mixture. Industry and need if

Technical performance and the tip of the standard cone should not be assented to the cone and the tip of the standard cone should not be assented to the cone and the tip of the standard cone and the tip of the

1. Measuring range; this treatment should be washed and coased with range and rest. the instrument should be washed and coased with range. Sinking depth: 0-14.5 cm Sinking volume: 0-229.3 cm

3. Cover the instrument when not in use. 2. Minimum scale value (sinking depth) to mm moo amulov bas steps guidais and ?

Cover the instrument when not in use

Calculation formula V=3/1nhr2

3. Cone geometry parameters:

Cone Angle: 30.

8-3, 3-3,		
Height: 145 mm (ma)d ynbrufor9	Volume v(cm²)	Profundity h(cm)
Cone base diameter: 76 mm	31 773	7.5
4. Cone and scale weight: 300±2 grams	33.027	76
5. Dimensions: 360×300×920 mm	34,337	7.7
6. Weight: about 20 kg	35.693	7.8
The structure and use of the instrument	37.084	7.9
1. Instrument structure:	38.581	0.8
1. mon ament on acture:	39.972	1.8

The instrument is mainly composed of a base, a support, a value indicating system, a standard test cone and a material container. 00.84

Chassis 1 and column 15 are connected with sliding and fastening with top wire, and the dial is raised and lowered 9 and test cone frame 14 are fixed on column 15 with nut 17 and handle 13 respectively. Loosen the handle 13 Screw the nut 17 Two pieces can be moved up and down along the column, and then fixed . The test cone frame 14 is provided with screws to fix the cone to the desired position.

The indicator system is installed on the lifting frame 9, and by means of a rack slide 12 and a gear pointer 10 and a dial 11, the vertical sinking depth (straight distance) of the standard test cone is changed to 10. The motion is reflected in the scale value of the circular dial, the minimum scale value (sinking depth) of the dial is 0.10 cm, that is, 1 mm. The screw 16 can be used to adjust the instrument level.

2. Usage:

- 1) Put the mixed test mortar into the conical container 7.
- 2 Adjust the cone frame 14 so that the tip of the standard test cone is in contact with the surface of the mortar mixture and is forbidden to be fixed.
- 3 Move the indicator lifting frame 9 so that the lower end of the slide rod 12 gently contacts the upper end of the test cone slide rod 4. Then reset the value on the screen to zero.
- 4 Adjust the pin female 3 so that the dial is aligned to zero, and move the dial up and down 9 so that the lower end of the rack slide bar 12 is gently in contact with the upper end of the test cone slide bar 4.
- (5) Loosen the screws 5 Standard cones sink under their own weight into the mortar mixture.
- Tighten the screw when the standard cone is no longer sinking into the mortar 5

Turn the pin 3 so that the rack slide bar 12 slides down until the test cone 4 contacts. at which time the measured sinking depth can be read on the dial, and the corresponding sinking volume can be looked up in the table. 20 myould obtain a subject

number of centimeters of depth to which a standard cone of a certain sometime.

- 1. When the standard test cone is stored or used, it should be carefully protected, and the outer cone and the tip of the standard cone should not be damaged. True has indeed
- 2. After the test, the instrument should be washed and coated with anti-rust grease. Cover the instrument when not in use.
- 3. Cover the instrument when not in use.

Cone sinking depth and volume comparison table gailers) subsystem that it is contained to the contained of t Calculation formula V=3/1nhr2

D C			Cone Angle: 30.
Profundity h(cm)	Volume v(cm ³)	Profundity h(cm)	Volume v(cm³)
7.5	31.773		Con 062,801 ameter
7.6	33.027	ht 300 4.11 ams	
7.7	34.337		
7.8	35.693	11.5 11.6	117.400
7.9	37.084	11.7	SM OF HERRY HIGHEST AND A
8.0	38.581	of the is frument	120.460
8.1	39.972	~ ~	123.580 126.750
a value 2.8 dicaring		besogm12.0/iniam	120.750
8.3	43 007	Limited 12.2	129.970
		cone an 2:2 naterial c	
0.5	with 500 44.580 fast	1	
ixed on 6.8 mm 15	t cone 46.190 sno i	nd lowe 6.21 9 and to	
evy the nyi817 Two	sen the fighale 13 Ser		ibasa 177.700an dire
some trained bey	[1] A.		165,250
8.8	51.256	13.5	185.060
8.9	51.256 1800 ber 53.024 or end	14.0	206.390
Mean Die a lack	34.831	14.5	229.300
ng deptil. Estraight	Ania 16:56:679 di . []	ointer 10 and a dial	lide 12 and a gear p

distance) of the standard test cone is changed to 10. The motion is reflected in the scale value of the circular dial, the minimum scale value (sinking depth) of the dial is 0.10 cm, that is, 1 mm. The screw 16 can be used to adjust the instrument level. 2. Usage:

1) Put the mixed test mortar into the conteal container 7,

3. Cone geometry parameters:

(2) Adjust the cone frame 14 so that the up of the standard test cone is in contact with the surface of the mortar mixture and is forbidden to be fixed.

(3) Move the indicator lifting frame of the lower end of the slide rod 12 cently contacts the upper end of the test cone slide rod 4. Then reset the value on the screen

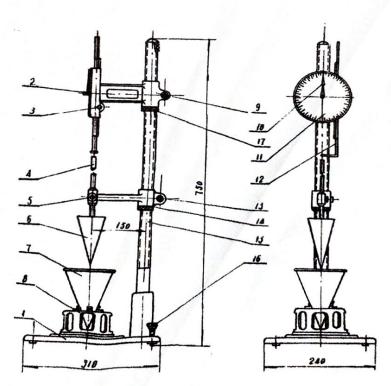
down 9 so that the lower and of the rack slide bar 12 is cently in contact with the

Doosen the sereus 5 Standard codes sink under their own weight into the mortar

(i) Fighten the screw witch the standard cone is no longer sinking into the monar 5

Test cone sinking depth and volume comparison table Calculation formula V=3/1nhr

Profundity h(cm)	Volume v(cm³)	Profundity h(cm)	Volume v(cm ³)
0.5	0.009	9.2	58.568
1.0	0.075	9.3	60.499
1.5	0.245	9.4	62.477
2.0	0.602	9.5	64.487
2.5	1.175.	9.6	66.545
3.0	2.031	9.7	68.646
3.5	3.225	9.8	70.790
4.0	4.814	9.9	72.930
4.5	6.854	10.0	75.210
5.0	9.402	10.1	77.493
5.5	12.514	10.2	79.825
6.0	16.246	10.3	82.189
6.2	17.993	10.4	84.650
6.4	19.717	10.5	87.069
6.6	21.629	10.6	89.581
6.8	23.650	10.7	92.141
7.0	25.793	10.8	94.748
7.1	26.920	10.9	97.404
7.2	28.073	11.0	100.110
7.3	29.260	11.1	102.870
7.4	30.419	11.2	105.670



- 1. Chassis; 2. Screws; 3. Pin mother; 4. Test cone slide rod; 5. Test taper screws; 6. Test cone;
- 7. Container, 8. Container holder; 9. Dial lifting frame; 10. Pointer; 11. Dial; 12. Rack slide,
 - 13. Handle; 14. Test cone frame; 15. Pillar, 16. Horizontal screws;17. Lock mother.



