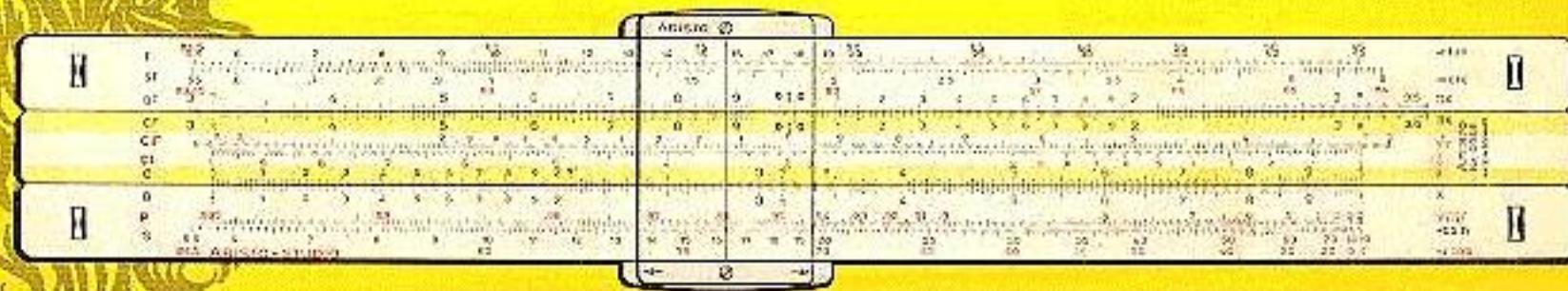
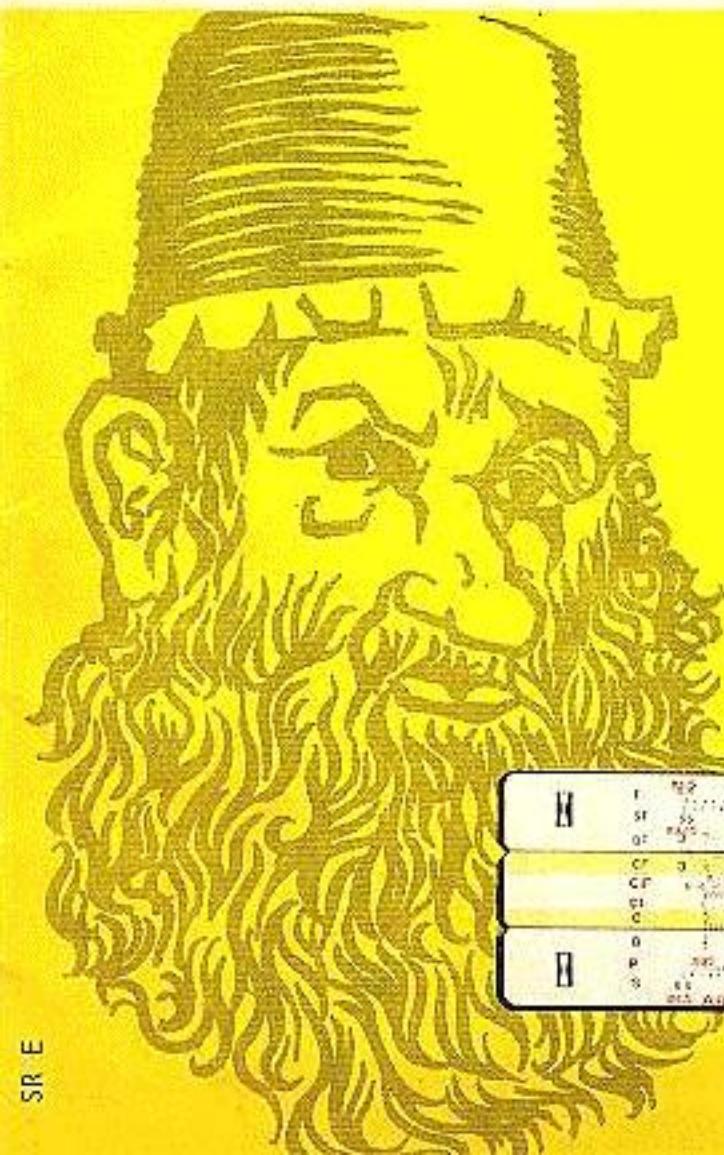


# calculate with

ARISTO





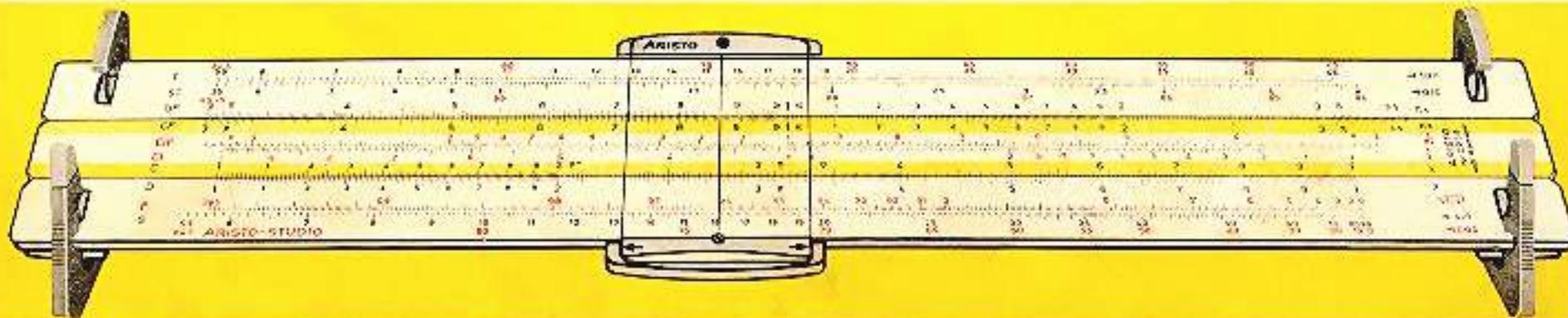
Since 1873 the House of ARISTO had dedicated itself to the idea of ever speedier and more practical methods of calculating with the slide rule. The history of the ARISTO is a record, from decade to decade, of great **progress** in the improvement of the slide rule. ARISTO Slide Rules are among the best in the world. This is true in respect of accuracy, of good design, of clarity of scale graduation, and of scale arrangement. In all these matters our specialist staff has completely succeeded and knowledgeable mathematicians have brought slide rule working veritably to the level of a master-craft.

The association of "folded" scales with the fundamental scales makes possible continued calculation without re-setting the slide.

Yellow tinted strips pairing the scales promote clarity and obviate errors in reading. All ARISTO double face slide rules have welded resilient end bars ensuring permanent scale relationship and smooth slide movement. Anti-slip rubber inserts on both faces of the rule facilitate single handed operation. Newly developed supports for the rule provide convenience in setting and reading, with free movement of a magnifying cursor if fitted.

Decisive in the choice of a slide rule is the practicality of the scale arrangement. Comprehensive and important details will be found in the following pages of this catalogue.

You will be pleased with your ARISTO.



## ARISTO SLIDE RULES - SCALE CODE

Designation by letters	Designation by math. symbols	Scale	Designation by letters	Designation by math. symbols	Scale	Designation by letters	Designation by math. symbols	Scale
A	$x^2$	Scale of Squares on body	K	$x^3$	Scale of Cubes	S	$\sin(\cos)$	Scale of Sines 5.5° to 90°
B	$x^2$	Scale of Squares on slide	L	$\lg x$	Mantissa Scale	* Sh1	$\sinh$	Scale of Hyperbolic Sines, range 0.1 to 0.9
■ BI	$\frac{1}{x^2}$	Inverted (reciprocal) Scale of Squares on slide	O LL0	$e^{0.001x}$	Log Log Scale, range 1.001 to 1.011	* Sh2	$\sinh$	Scale of Hyperbolic Sines, range 0.85 to 3.0
C	$x$	Fundamental Scale on slide	LL1	$e^{0.01x}$	Log Log Scale, range 1.01 to 1.11	ST	$\sinh$	Scale of Angles 0.55° to 6° and 84° to 89.45°
► CF	$\pi x$	Folded Scale on slide	LL2	$e^{0.1x}$	Log Log Scale, range 1.1 to 3.0	T	$\tan$	Scale of Tangents 5.5° to 45°
CI	$\frac{1}{x}$	Inverted (reciprocal) Scale of C on slide	LL3	$e^x$	Log Log Scale, range 2.5 to 10 <sup>5</sup>			Scale of Cotangents 45° to 84.5°
► CIF	$\frac{1}{\pi x}$	Inverted (reciprocal) Scale of CF	O LL00	$e^{-0.001x}$	Log Log Scale, range 0.999 to 0.989	T1	$\tan(\cot)$	Scale of Tangents 5.5° to 45°
D	$x$	Fundamental Scale on body	● LL01	$e^{-0.01x}$	Log Log Scale, range 0.99 to 0.9			Scale of Cotangents 45° to 84.5°
► DF	$\pi x$	Folded Scale on body	● LL02	$e^{-0.1x}$	Log Log Scale, range 0.91 to 0.35	T2	$\tan(\cot)$	Scale of Tangents 45° to 84.5°
DI	$\frac{1}{x}$	Inverted (reciprocal) Scale of D on body	● LL03	$e^{-x}$	Log Log Scale, range 0.4 to 10 <sup>-5</sup>	* Th	$\tanh$	Scale of Cotangents 5.5° to 45°
			P	$\sqrt{1-x^2}$	Pythagoras Scale			Scale of Hyperbolic Tangents, range 0.1 to 3.0

■ The slide rules

ARISTO BiScholar, ARISTO Darmstadt,  
ARISTO TriLog, ARISTO Electro,  
ARISTO Textil

have reciprocal scales of squares.

► With the folded scales multiplications, tabulations and proportions can be worked out without re-setting the slide.

○ Only the ARISTO MultiLog has the extension of the Log Log scales.

● The double face slide rules, ARISTO Studio, ARISTO MultiLog, ARISTO Hyperbolog have reciprocal Log Log scales for the direct reading of

$$a^x, \sqrt[a]{x} \text{ and } \log_a x \text{ for values } a < 1, \text{ and } a^{-x}.$$

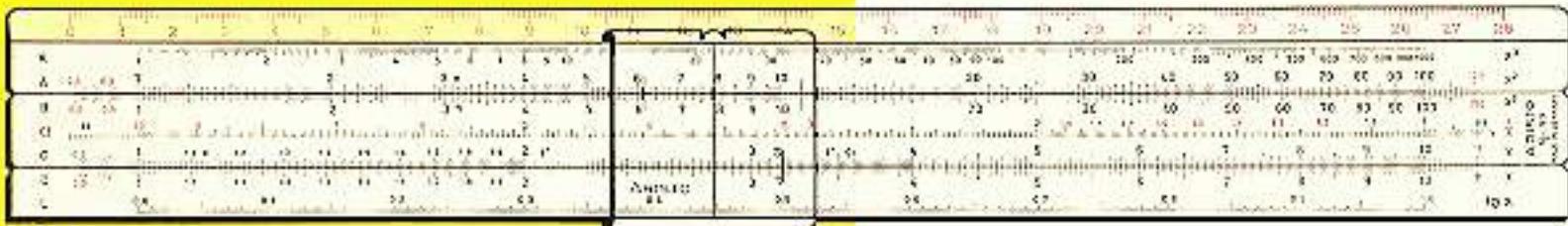
\* The ARISTO Hyperbolog is furnished with scales of hyperbolic functions.

● Sine scale on both body and slide is provided only on the

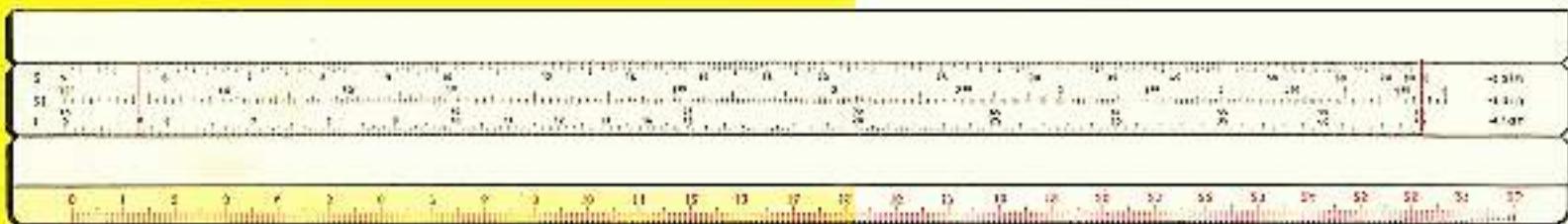
ARISTO Scholar LL and  
ARISTO BiScholar.



89



99



99

A rule of traditional pattern, with the arrangement of basic scales, scales of squares and a reciprocal scale, found reliable in professional practice. The trigonometrical scales, on the reverse of the slide, are subdivided in the  $360^\circ$  system, sexagesimally and are visible throughout the scale length, through the transparent rule body. The ARISTO Rietz is also available with trigonometrical scales in the new  $400^\circ$  system, decimaly subdivided. The pocket model, 89 NZ has, in addition, a scale of preferred numbers and a mantissa scale on the reverse of the rule body.

A comparison of the Rietz model with the double face ARISTO MultiRietz is recommended.

**89** Scale length 5 in. (12.5 cm)

**89 NZ** Scale length 5 in. (12.5 cm)

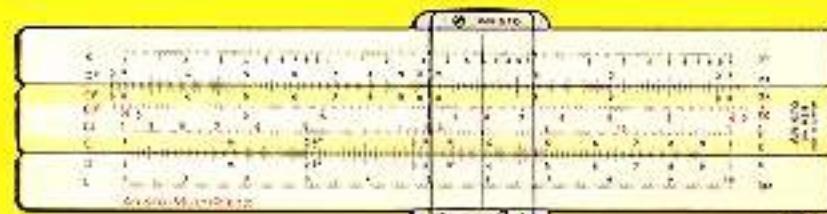
**99** Scale length 10 in. (25 cm)

**109** Scale length 20 in. (50 cm)

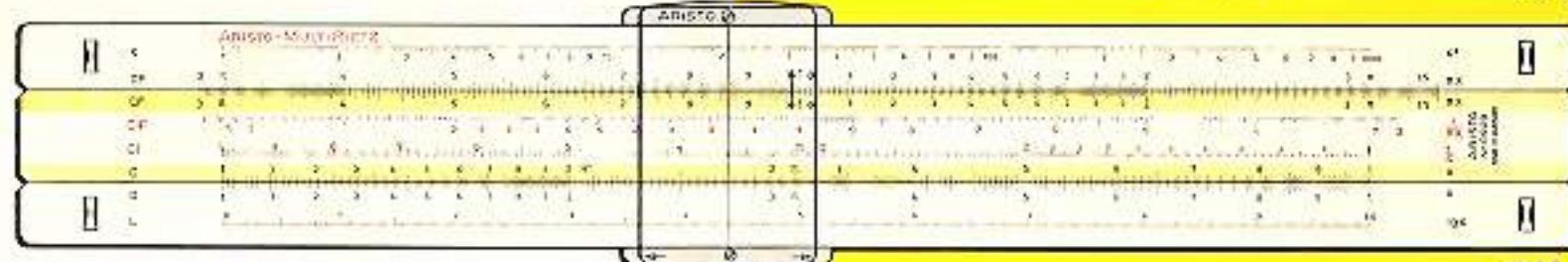
**9/150** Demonstration Model 5 ft. (150 cm)

**ARISTO RIETZ**

For civil engineers, architects, designers, foremen,  
technicians, craftsmen.



829



0929



0929

In this double face model the scales of the Rietz system are supplemented by folded scales, a Pythagoras scale P to simplify trigonometrical calculations and a further scale of reciprocals, DI, on the lower body panel.

By the use of the folded scales, in multiplication, tabulation and calculations of proportions, re-setting of the slide is avoided. The slide need not be reversed when working with trigonometrical functions. The trigonometrical scales are graduated decimal in the 360° system.

829 Scale length 5 in. (12.5 cm)

0929 Scale length 10 in. (25 cm)

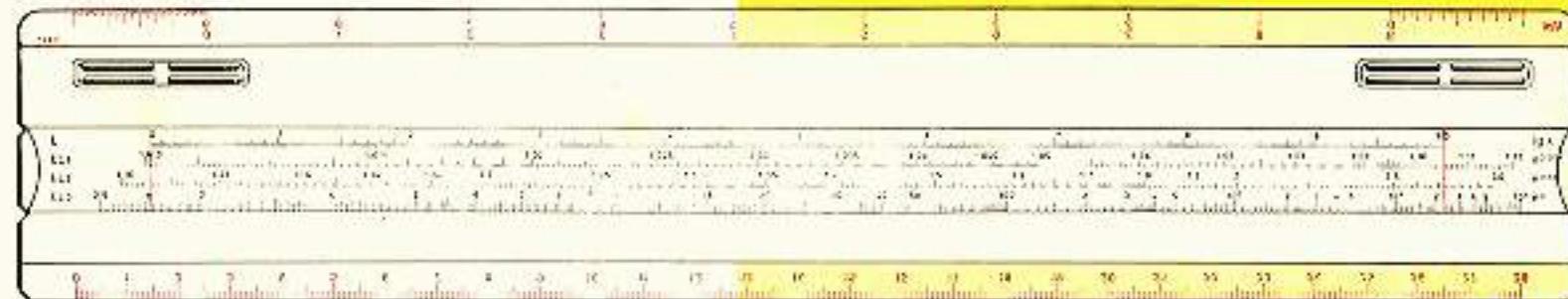
29/150 Demonstration model, scale length 5 ft. (150 cm)

## ARISTO MULTRIETZ

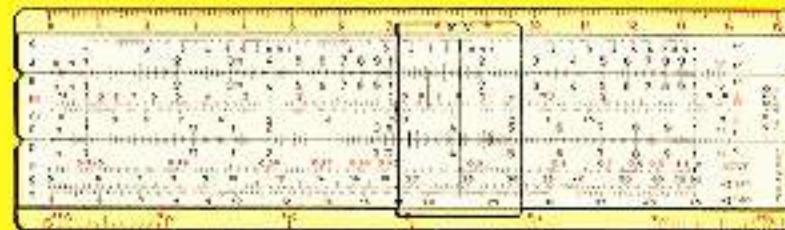
This double face slide rule for civil engineers, designers, foremen, technicians, craftsmen and architects offers many advantages.



967 U



967 U



867 U

The original scale pattern of the Darmstadt system is in the ARISTO Darmstadt rule extended by the addition of a scale of reciprocals, BI. The Log-log scales, placed with a mantissa scale on the reverse of the slide, are visible over the whole length of the slide, through the transparent rule body, making possible the use of the rule with the slide in its normal position. Non-slip rubber inserts (model 967 U) facilitate single handed working, with the rule on the desk top. Pocket model ARISTO Darmstadt 867 U/4009 is also available, graduated in the new 4009 system.

A comparison with the more fully developed double face ARISTO Studio Slide Rule is recommended.

**867 U** Scale length 5 in. (12.5 cm)

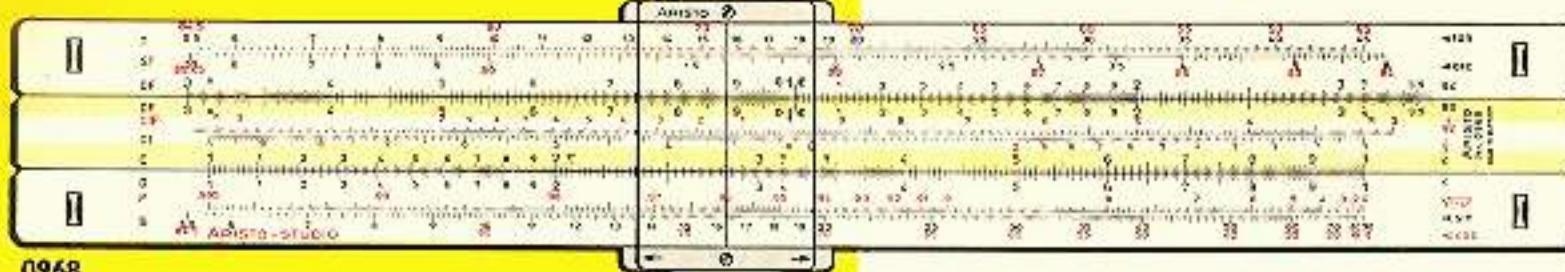
**967 U** Scale length 10 in. (25 cm)

**1067 U** Scale length 20 in. (50 cm)

**67/150** Demonstration model scale length 5 ft (150 cm)

## ARISTO DARMSTADT

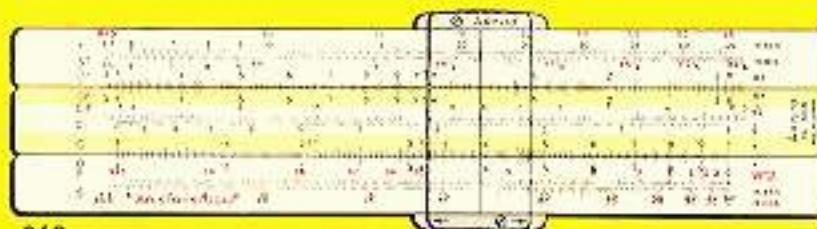
For engineers of all types, mathematicians, physicists, chemists and students.



0968



0968



868

This favoured double face slide rule is distinguished by an especially clear and convenient scale arrangement. Folded scales obviate, in multiplication and tabulation, the tedium of slide re-setting. The trigonometrical scales are displayed on the upper body panel and are available in either the  $360^\circ$  or the  $400^\circ$  system, decimal division. The range of the six part exponential scale permits solution of practically all problems of powers, roots and logarithms.

A detailed description is given in our special catalogue ARISTO Studio.

- 868 Scale length 5 in. (12.5 cm)
- 0968 Scale length 10 in. (25 cm)
- 0968/400 $^\circ$  Scale length 10 in. (25 cm)
- 01068 Scale length 20 in. (50 cm)
- 68/150 Demonstration rule, scale length 5 ft (150 cm)
- 168 Projection model, for use with Overhead projectors.  
Scale length 8 in. (20 cm)

## ARISTO STUDIO

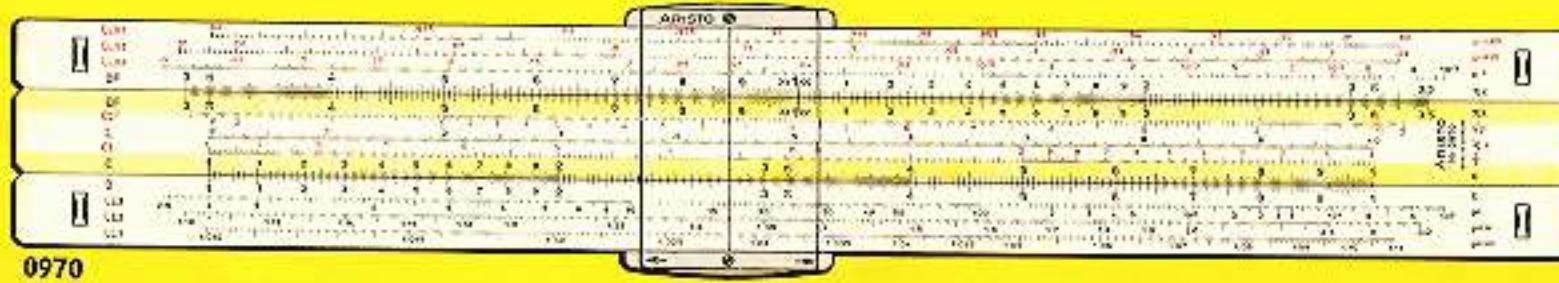
The double face slide rule for fastidious engineers of all classes, mathematicians, physicists, chemists and students.

## **ARISTO MULTILOG**

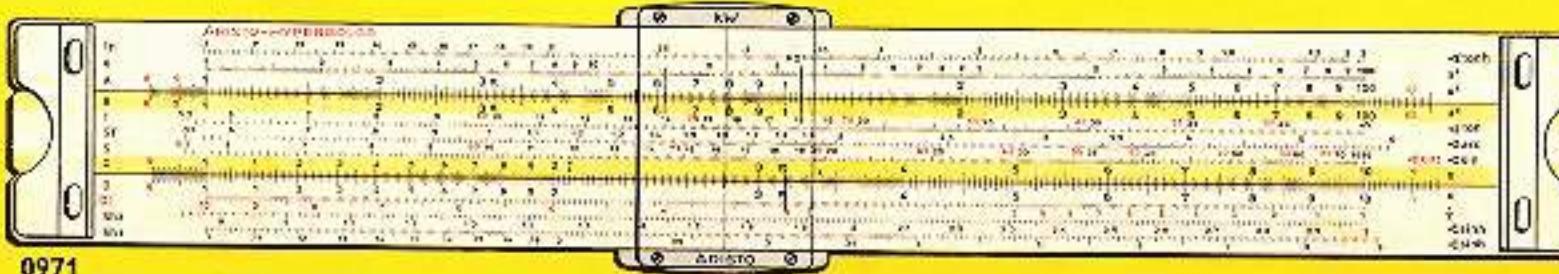
A double face slide rule with 8 part Log-log scale for mathematicians, physicists and chemists.

In comparison with the ARISTO Studio, in this rule the Log-log scale is further extended by two sections, LL0 and LL00. The trigonometrical scales are arranged on the slide. The Log-log scales LL<sub>1</sub>—LL<sub>3</sub>, LL0<sub>1</sub>—LL0<sub>3</sub> are placed, together with the folded scales, on one face of the rule. This is an advantage in many calculations, as is also the parallel setting of scales L and CI on the slide.

- 870** Scale length 5 in. (12.5 cm)
- 0970** Scale length 10 in. (25 cm)
- 01070** Scale length 20 in. (50 cm)
- 70/150** Demonstration model, scale length 5 ft. (150 cm)
- 170** Projection model, for use with Overhead projectors, scale length 8 in (20 cm)



0970



0971

## **ARISTO HYPERBOLIC**

A double face slide rule with six part Log Log scale and scales of hyperbolic functions, for mathematicians, physicists, high frequency and telecommunication engineers.

The ARISTO Hyperbolog resembles, in its scale arrangements, the ARISTO MultiLog. The scales LL0 and LL00 of the latter are however replaced by the scales of hyperbolic functions Sh1, Sh2 and Th.

**0971** Scale length 10 in. (25 cm)

## **ARISTO NZ-SCALE 1364**

All technical ARISTO Slide Rules with 10 in. and 20 in. scale length are supplied together with the ARISTO NZ-scale 1364, containing standard values according to DIN 323, millimeter, logarithmical and inch divisions as well as conversion factors for physical units for metric and english system.

**ARISTO FERRO CONCRETE** System Götsch

System Götsch

A special purpose slide rule for calculations in reinforced concrete design, with concrete stresses between 30 and 120 kg/cm<sup>2</sup>. At choice, this rule can be used, with inter-changeable cursors, for a range of  $n$ -values and of steel stresses  $\sigma_e$  as shown below. Additional cursors can be supplied separately and when ordered, the catalogue number of the rule should be quoted, prefixed by L—e.g., L 939/15/35.

<b>939/15</b>	$n = 15$	$\sigma_c = 1200 \text{ to } 2800 \text{ kg/cm}^2$
<b>939/15/35</b>	$n = 15$	$\sigma_c = 1200 \text{ to } 3500 \text{ kg/cm}^2$
<b>939/10</b>	$n = 10$	$\sigma_c = 800 \text{ to } 3500 \text{ kg/cm}^2$
<b>939/8</b>	$n = 8$	$\sigma_c = 800 \text{ to } 2600 \text{ kg/cm}^2$

*ARISTO SURVEYOR*

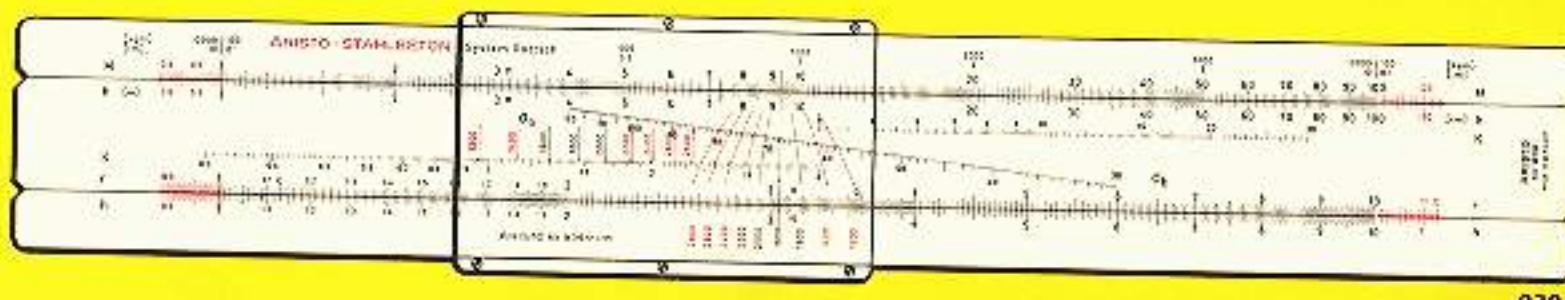
### The special slide rule for surveyors.

The scale arrangement on the front face of this double face slide rule follows the pattern of the ARISTO Studio. Folded scales avoid, with proportions, error distribution and tabulation, re-setting the slide. The trigonometrical scales are available in the  $360^\circ$  system (sexagesimally divided) or in the  $400^\circ$  system (decimally divided). On the reverse of the slide are, inter alia, special scales for tacheometrical calculations and for checking triangulations. A cursor mark, ER, makes allowance for curvature of the earth and refraction.

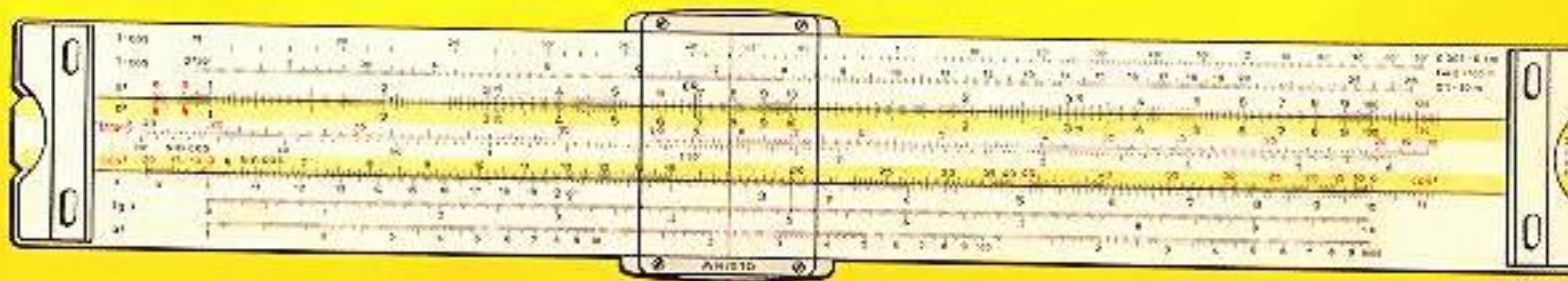
0958/360° Scale length 10 in. (25 cm)

0958/4009 Scale length 10 in. (25 cm)

**Special slide rules for other fields of work are available**



939



0958



0908



0908

This double face slide rule combines the traditional scale group A/B/CI/C/D, plus the reciprocal scale BI, with the still more important group of scales DF/CF/CIF/CI/C/D. Each of the scales at the edges of the slide is directly associated with its corresponding reciprocal scale, obviating needless slide and cursor movement. Traversing the slide is also avoided by the use of the folded scales. By means of the three part Log-log scale, (LL1, LL2, LL3), required powers, roots and logarithms to a given base can be calculated. The trigonometrical scales S, ST and T and a supplementary scale T2 of tangents helpful to the beginner when dealing with angles  $> 45^\circ$ , are associated with a pythagoras scale P to permit direct conversion  $\sin \leftrightarrow \cos$ .

The ARISTO TriLog 0908 rule is supplied together with a formular scale 1365.

**0908** Scale length 10 in. (25 cm)

**8/150** Demonstration model, scale length 5 ft. (150 cm)

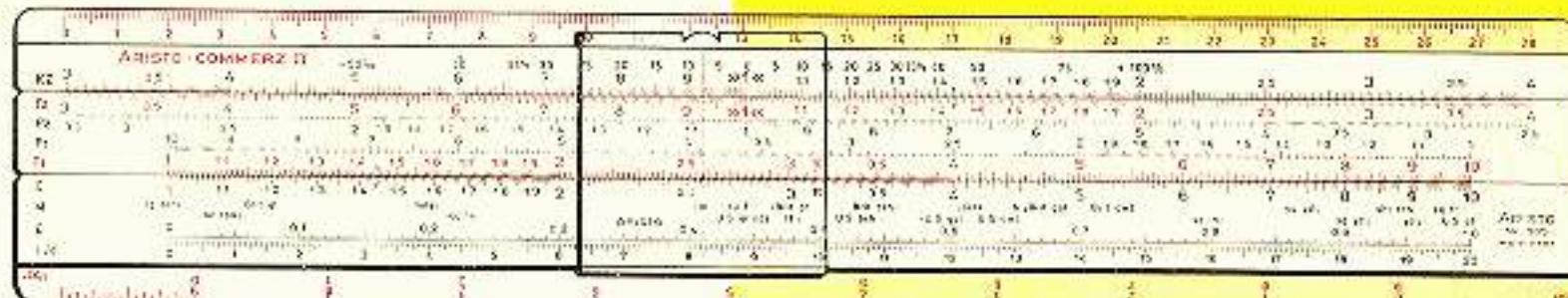
**108** Projection model, for use with overhead projectors, scale length 8 in. (20 cm)

**208** Dia Slide Rule for Diaprojector Leitz-Prado

## ARISTO TRILOG

The double face slide rule for building and trade schools, technical institutes and colleges of advanced technology, wherever a versatile slide rule capable of a wide range of calculations is required.

Our special catalogues „ARISTO Junior”, „ARISTO Scholar” and „ARISTO TriLog”  
contain descriptions of the ARISTO school slide rules



965



0905



845

### **ARISTO COMMERCE I**

For the progressive businessman in retail and wholesale trade, industry, import and export.

### **ARISTO COMMERCE II**

The ideal slide rule for all businessmen in all branches, in insurance and in banking.

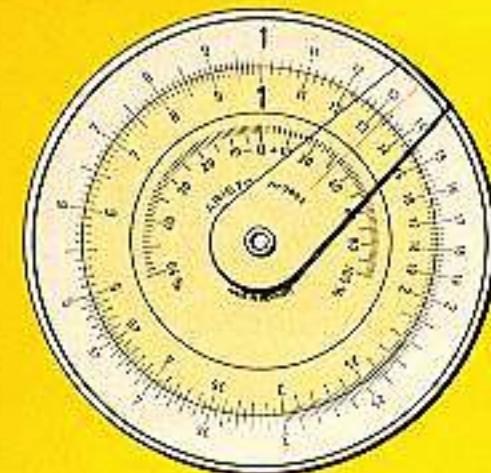
### **ARISTO SCHOOL COMMERCE**

For business and commercial training colleges.

Nearly all businessmen use slide rules for problems of multiplication, division, ratios, currency conversion, "rule of three" and percentage calculations. Results are obtained quickly and with certainty, without slide re-setting. The folded scales, in combination with the fundamental and reciprocal scales, offer clear and simple solutions of interest problems. Compound interest can be calculated with the ARISTO Commerce II. Gauge marks simplify conversions between metric and English weights and measures.

- |                                      |                              |
|--------------------------------------|------------------------------|
| 845 ARISTO Commerce I                | Scale length 5 in. (12.5 cm) |
| 955 ARISTO Commerce I*               | Scale length 10 in. (25 cm)  |
| 1055 ARISTO Commerce I <sup>**</sup> | Scale length 20 in. (50 cm)  |
| 965 ARISTO Commerce II*              | Scale length 10 in. (25 cm)  |
| 0905 ARISTO School Commerce          | Scale length 10 in. (25 cm)  |
| 5/150 Demonstration model            | Scale length 5 ft. (150 cm)  |

\* Supplied with Table C of conversion factors for U.S./Brit. to metric units and vice versa.



0602

## ARISTO CIRCULAR COMPUTERS

These small, practical circular computers have fundamental scales and a percentage scale. They can conveniently be carried at all times in the waistcoat pocket.

Problems of multiplication, division, percentage and ratios are easily solved.

**0602** White ARISTOPAL,  $3\frac{1}{2}$  inches diameter (8 cm), with open leather case.

## ARISTO CALCULATOR

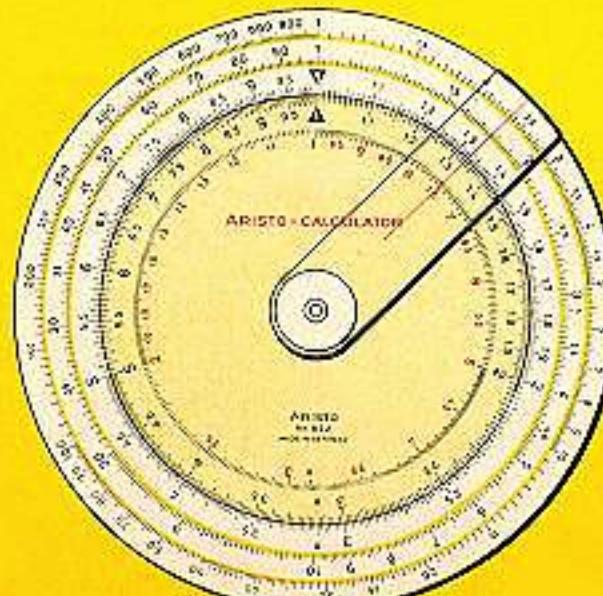
A technical circular calculator for multiplication, division, tabulation and proportion problems, with fundamental scales, reciprocal scales and scales of squares and cubes.

**622** White ARISTOPAL, diameter  $3\frac{1}{2}$  inches (8.5 cm), with open leather case.

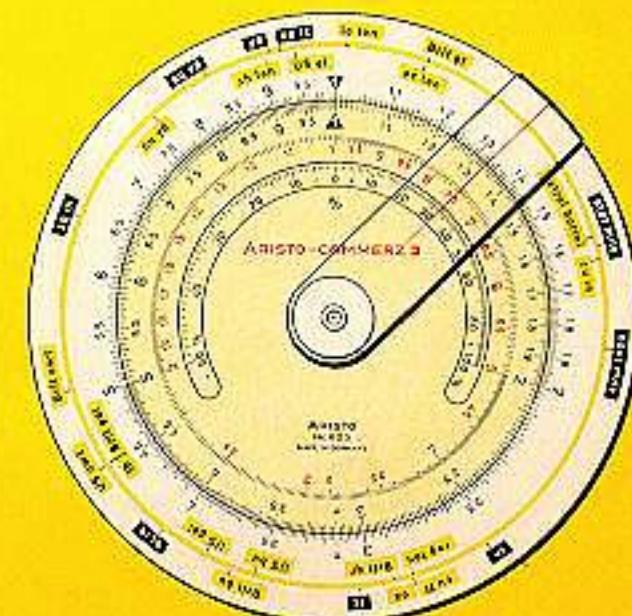
## ARISTO COMMERCE III

A businessman's circular computer for multiplication, division, ratios, "rule of three" and percentage problems. In addition to the fundamental scales this computer has a reciprocal scale, figured in red and a percentage scale for mark-up or discount. A scale with gauge marks and colour-differentiated indices of weights, volumes, lengths and surface measures simplifies the conversion of U. S./Brit. units to the metric system and vice versa.

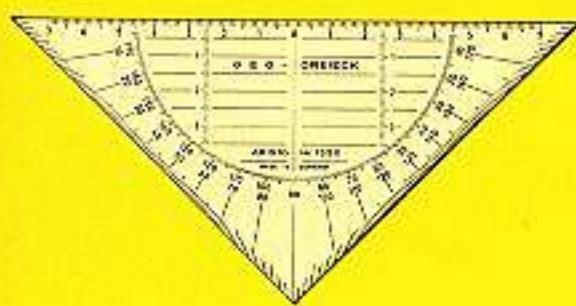
**623** White ARISTOPAL, diameter  $3\frac{1}{2}$  inches (8.5 cm), with open leather case.



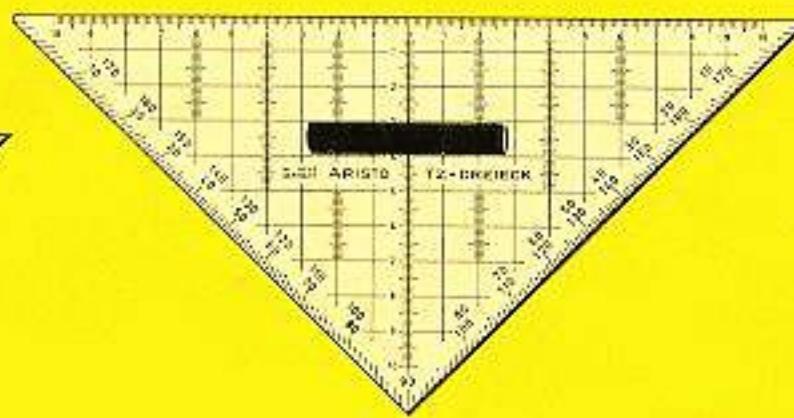
622



623



1550



1650/2

## ARISTO TRIGON

This full circle protractor combines a 360° graduation, a scale in radian measure from 0 to  $2\pi$  with gauge marks at  $\pi/6$  and  $\pi/4$ , in one instrument. By means of interrupted radial lines the centres of circles can quickly be found. To mark such centres, the protractor is drilled at its centre point.

**1500** In transparent ARISTOPAL 1 mm thick, 3.9" (10 cm) diameter.

## ARISTO GEO-LINER

This practical drafting instrument in unbreakable, dimensionally stable ARISTOPAL is at once a protractor, a parallel ruler and a set square with symmetrically opposed millimeter scales.

- 1551/1** Hypotenuse 6½ in. (16 cm), divided in tenths of an inch. Sides 4½ in. (11.3 cm).
- 1551/2** As model 1551/1, but with the hypotenuse divided in sixteenths of an inch.
- 1551 W** Blackboard model in 2 mm transparent ARISTOPAL, with handle. Hypotenuse 24 in. (60 cm) divided in inches and fifths.
- 1550** As model 1551/1, hypotenuse 16 cm divided in mm.
- 1550 W** As model 1551 W, but Hypotenuse 60 cm divided in cm.

## ARISTO TZ LINER

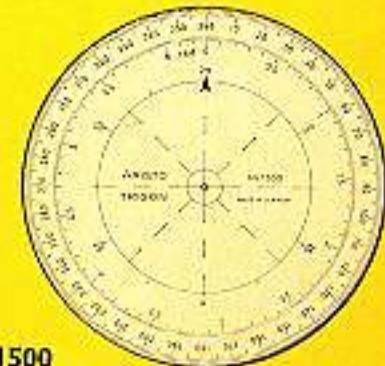
The ARISTO TZ Liner is larger and thicker than the ARISTO Geo-Liner and has millimeter scales perpendicular to the hypotenuse and a grid-net of 1 cm side.

- 1650/1** Thickness 1.5 mm. Hypotenuse 22.5 cm (8¾ in.), Sides 16 cm (6¼ in.), without handle.
- 1650/2** As model 1650/1, but with handle.
- 1650 W** Blackboard model with handle, 2.5 mm thick. Hypotenuse 80 cm, (31½ in.)

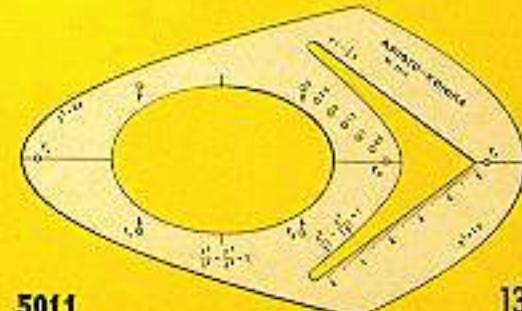
## ARISTO KONIKA

A template for conic sections, with an ellipse, an hyperbola with asymptotes and two parabolas. Equations and focal points are indicated.

- 5011** In transparent ARISTOPAL, 1 mm thick, 5¾ in. (13.8 cm) long.
- 5011 W** Blackboard model with handle, in white ARISTOPAL, 3 mm thick, 31 in. (78 cm) long.



1500



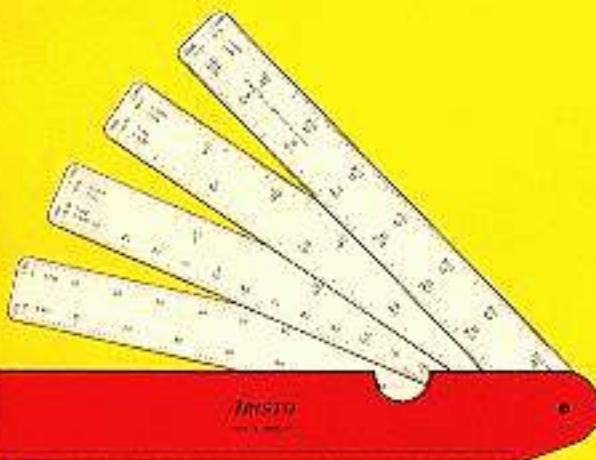
5011

## ARISTO SCALES

### With one graduation

Bevel-edged, mm divisions in black

1431	15 cm	Crystal-clear ARISTOPAL
1433	30 cm	Crystal-clear ARISTOPAL
1434	40 cm	Crystal-clear ARISTOPAL
1435	50 cm	Crystal-clear ARISTOPAL
1333	20 cm	White ARISTOPAL



1322

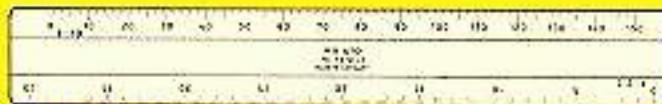
## ARISTO SCALES SETS

Different reduction ratios are disposed on strips of ARISTOPAL, approx. 15 cm in length. Riveted to brown leather wallet.

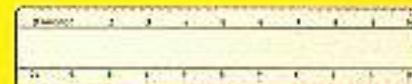
1322	1:100	1:125	1:150	1:200	1:250
	1:500	1:625	1:750	1:1000	1:1250
	1:1500	1:2000	1:2500	1:5000	
With metric graduations					
2/32, 1/8, 3/16, 1/4, 3/8, 1/2, 1, 1 1/2, 3 inch to the foot 1/16 inch; 10, 30, 40, 50 parts to the inch.					



1433



1310/1



1317/2

## ARISTO POCKET SCALES

With four graduations. In white ARISTOPAL, scale length 15 cm

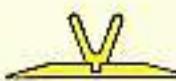
1310/1	1 : 2.5	1 : 5	1 : 10	1 : 20	1310/A	1/8, 1/4, 3/8, 1/2, 3/4, 1,
1310/B	10, 30, 40, 50	Parts per inch				1 1/2, 3 Inch per foot

With two graduations. In white ARISTOPAL, scale length 10 cm

1317/2	1 mm	1 1/2 mm	1317/4	1 : 1	1 : 250
1317/3	1 mm	1 1/2 mm	1317/5	1 : 1	1 : 500

## ARISTO SCALES with two graduations

In white ARISTOPAL, with two bevels and full-length handle in red, yellow, green, blue or orange. Scale length 30 cm.



1304/1	1 mm	1 1/2 mm	4306/1	1 : 2.5	1 : 10
1304/2	1 mm	1 mm	1306/2	1 : 5	1 : 20
1304/3	1 mm	1 1/2 mm	1306/3	1 : 2.5	1 : 5

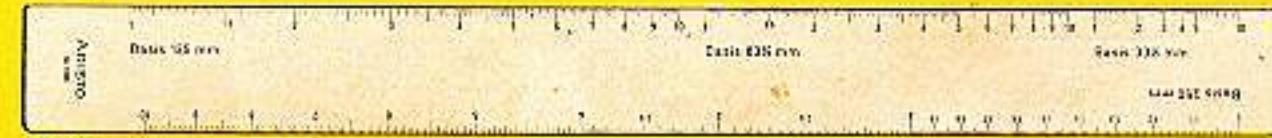
## ARISTO SCALES with logarithmically divided scales

In white ARISTOPAL, thickness 1 mm, without handle, length 30 cm

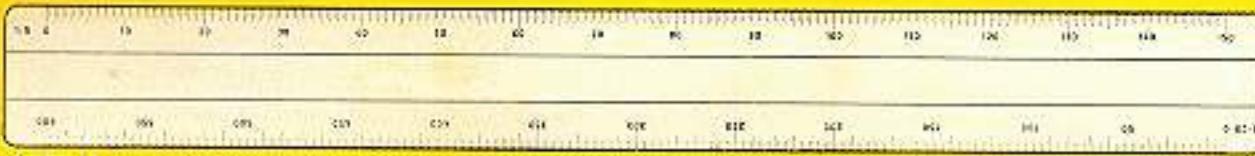
1300	Unit length of logarithmic graduations: 33 1/3, 50, 83 1/3, 100, 125, 150, 200 and 250 mm.
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1304/1



1300



1308/1



1314/4



### 1314 ARISTO TRIANGULAR SCALES

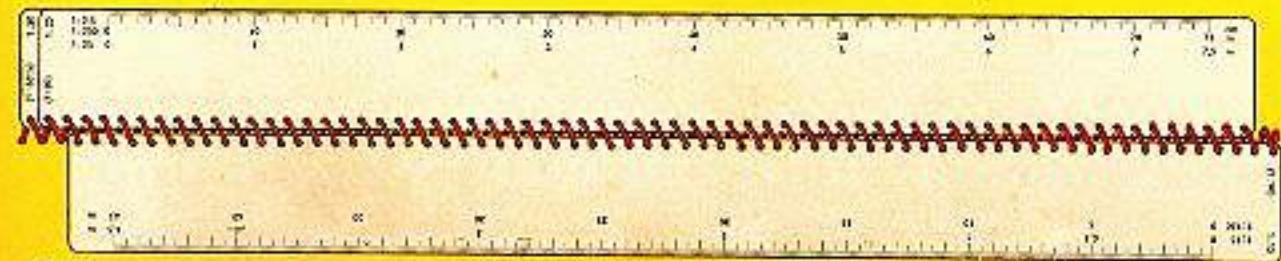
In white ARISTOPAL, with star-shaped section which protects the graduations. Scale length 30 cm. The scale is supplied in a strong plastics case.

1314/1	1:10	1:15	1:20	1:25	1:33 $\frac{1}{3}$	1:50
1314/2	1:100	1:200	1:250	1:300	1:400	1:500
1314/3	1:20	1:25	1:50	1:75	1:100	1:125
1314/4	1:2.5	1:5	1:10	1:20	1:50	1:100
1314/5	1:20	1:25	1:33 $\frac{1}{3}$	1:50	1:75	1:100
1314/8	1:500	1:1000	1:1250	1:1500	1:2000	1:2500

### 1326 ARISTO SPIRAL SCALES

Three 30 cm scale-lengths, in 0.8 mm thick white ARISTOPAL are bound together lengthwise with a coloured plastics spiral. The required scale can be held firmly in place, the remaining scales serving as a handle. By reason of the multiple figuring of the six-part graduations, 15 ratios are combined in this handy scale set.

Ratios	1:2.5	1:5	1:10	1:15	1:20	1:25	1:33 $\frac{1}{3}$	
	1:50	1:100	1:150	1:200	1:250	1:500	2:1	5:1



1326

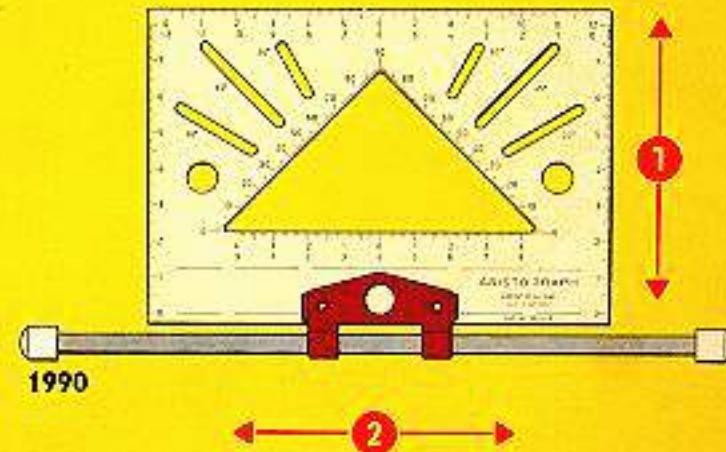
## ARISTO SCALES

with four graduations

In white ARISTOPAL, without handle. Two sets of graduations are disposed on the back of the bevelled edge.

Scale length 30 cm

1308/1	1:2.5	1:5	1:10	1:20
1308/2	1:1000	1:2000	1:2500	1:5000

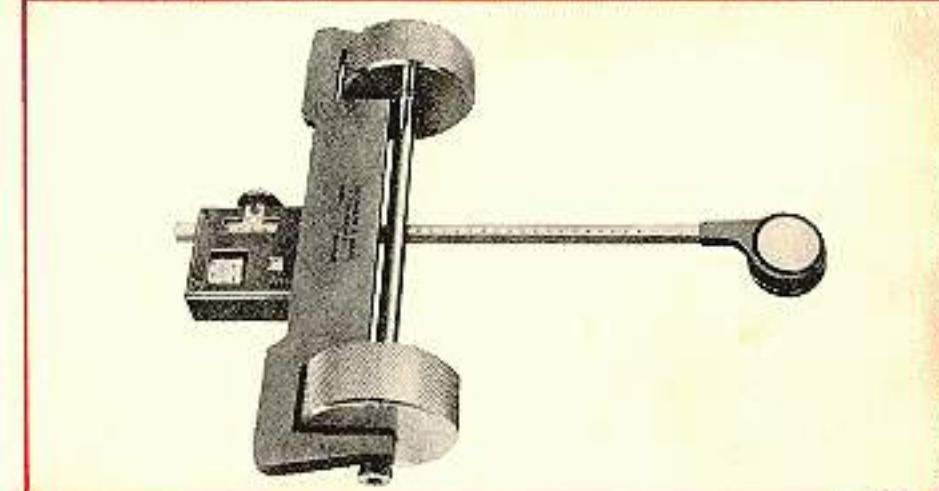
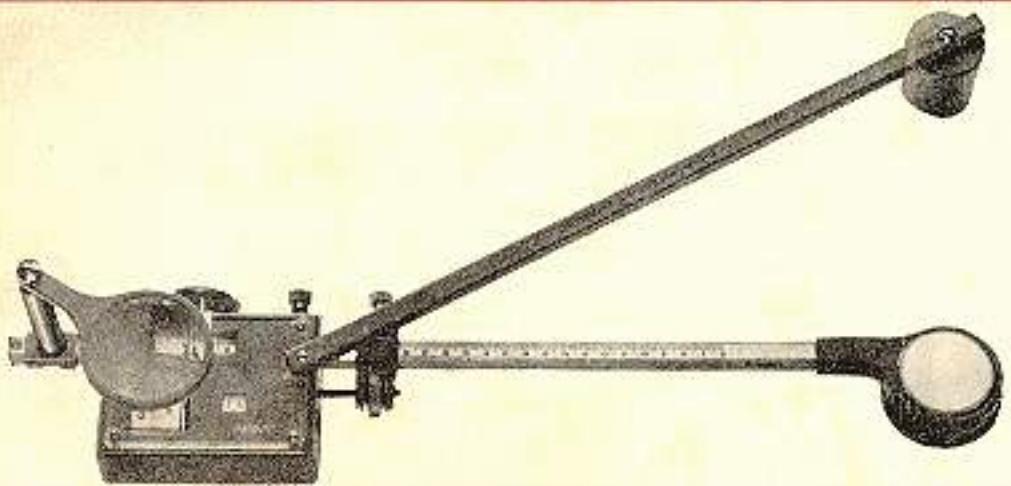


## ARISTOGRAPH German patent No. 952419

A drafting instrument in transparent ARISTOPAL for neat and speedy sketching, with angular graduations to 180° and mm divisions on the edges.

The set square, 85 x 130 mm (3.3 x 5.1 in.), moves as a parallel ruler on a 200 mm long guide roller ① and can at the same time be shifted laterally, also in parallel, on the roller ②.

1990 Supplied in a grey plastic case.



## ARISTO PLANIMETERS

The determination of the surface area of irregular figures, for example in plans and diagrams, is easily, simply and precisely carried through with the ARISTO Planimeter. This instrument also meets the need in other graphical processes.

The ARISTO Planimeter is designed for use solely as a compensating polar planimeter, i. e., residual errors of adjustment can be compensated by measuring from two different pole positions. The measuring unit is completely enclosed and is thus protected from dust and damage. The measuring wheel and its axle are of rustless nickel steel, mounted between needle bearings. The vernier can be read to four places.

A pole wagon can be used to convert the instrument from a linear to a rolling planimeter.

The tracer arm of all ARISTO Planimeters is provided with a tracing pin or a tracing lens giving approximately  $\times 2$  enlargement. The curve is followed and pricked off by means of a point marked in the center of the lens. The use of the tracing lens simplifies the traversing of the area, preserves the drawing and raises the precision of the measurement.

All setting and reading elements of the planimeter are deeply engraved in black on white plastics, giving a precise graduation pattern conveniently and accurately read.

Our catalogue "ARISTO Planimeters and Integrators" gives detailed descriptions.

Advice and supply from your dealer:

## ARISTO SLIDE RULES

		s.	d.	
RIETZ	89	47.	6	BISCHOLAR
	89 NZ	58.	0	* 108 205. 0
	99	95.	0	0906 53. 0
	109	339.	0	* 6/150 295. 0
	* 9/150	270.	0	* 106 205. 0
	MULTIRIETZ	829	80.	JUNIOR
	0929	123.	6	0901 26. 6
	* 29/150	405.	0	* 1/150 215. 0
DARMSTADT	867 U	75.	0	* 101 205. 0
	967 U	123.	6	SCHOLAR
	1067 U	440.	0	0903 31. 6
STUDIO	* 67/150	295.	0	* 3/100 215. 0
	868	85.	6	* 3/150 245. 0
	0968	115.	0	SCHOLAR LL
	0968 B	99.	0	0903 LL 37. 6
	01068	473.	0	* 3 LL/150 270. 0
	* 68/150	405.	0	* 103 LL 205. 0
STUDIOLOG	* 168	230.	0	SCHOLAR VS
	0969	155.	0	0903 VS 37. 6
	MULTILOG	870	91.	0903 VS2 43. 6
	0970	153.	0	* 3 VS/150 295. 0
	01070	510.	0	* 103 VS 205. 0
	* 70/150	460.	0	SIMPLEX
HYPERBOLOG	* 170	230.	0	0911 30. 6
	0971	161.	6	* 11/150 215. 0
	FERRO-CONCRETE			COMMERCIAL
	939/15-10-8	210.	0	0905 37. 6
	SURVEYOR			845 58. 0
	0958/360 or 400	165.	0	955 115. 6
TRILOG	0908	47.	6	1055 408. 6
	* 8/150	330.	0	965 123. 6
REF. ASR				* 5/150 245. 0

## ARISTO SCALES

1431	...	8. 0
1433	...	12. 0
1434	...	21. 0

1435 ... 28. 6

1333 ... 12. 0

1322 ... 28. 6

1323 ... 22. 6

1325 ... 28. 6

1310/1 ... 13. 6

1317/2 to 5 ... 7. 6

1304/1 to 3 ... 10. 0

1306/1 to 3 ... 21. 0

1314/1 to 8 ... 27. 0

1314/A Armstrong ... 27. 0

1314/B Chain ... 27. 0

1326 ... 27. 0

1308/1 ... 25. 6

1308/2 ... 32. 0

## ARISTOGRAPH

1990 ... 30. 6

## ARISTO GEO-LINER

1551/1 ... 3. 3

1551/2 ... 3. 3

1550 ... 3. 3

\* 1551 W ... 54. 0

\* 1550 W ... 54. 0

## ARISTO TZ-LINER

1650/1 ... 12. 0

1650/2 ... 16. 0

\* 1650 W ... 84. 0

## ARISTO KONIKA

5011 ... 5. 6

\* 5011 W ... 166. 0

## ARISTO TRIGON

1500 ... 4. 3