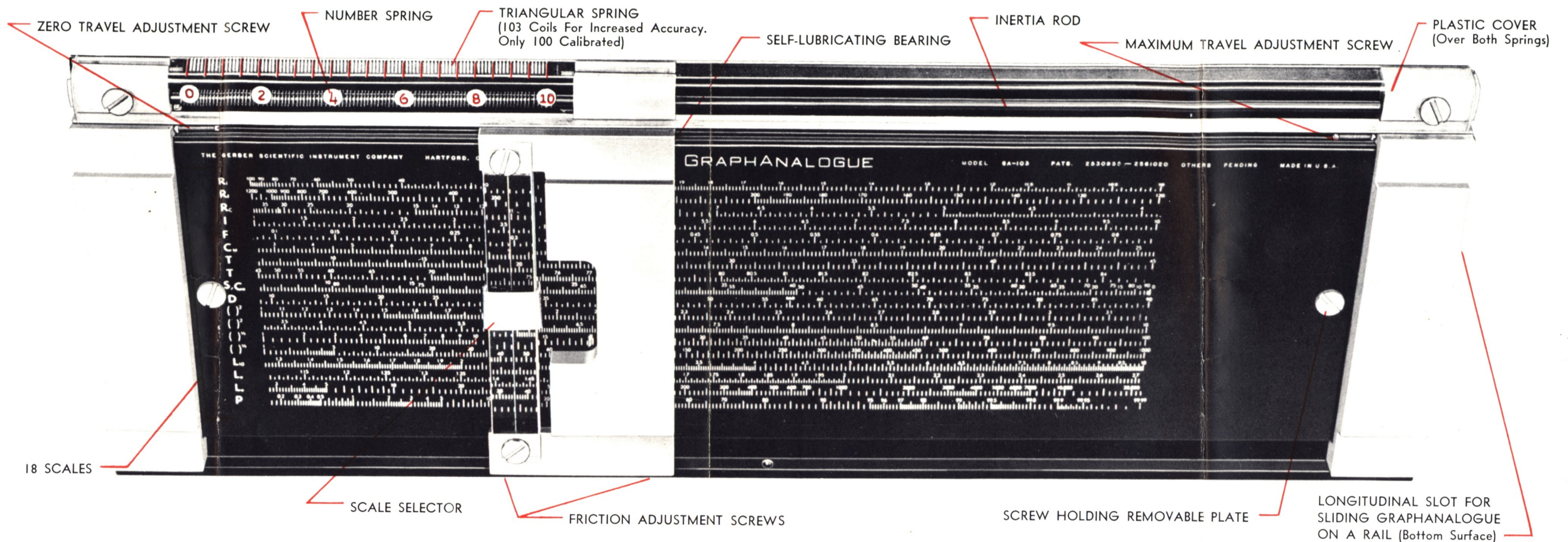


THE GERBER **GRAPHANALOGUE**



**HERE ARE SOME OF THE OUTSTANDING
IMPROVEMENTS OF THE GERBER GRAPHANALOGUE
OVER THE GERBER VARIABLE SCALES MODELS
TPO07100 & TPO07100-L100**

ZERO AND MAXIMUM TRAVEL ADJUSTMENTS

A sensitive adjustment on both ends allows for extremely accurate end settings.

PLUS MANY MINOR BUT VERY IMPORTANT IMPROVEMENTS SUCH AS:

PLASTIC BEARINGS AND "C" TYPE SLIDE . . . to facilitate smooth sliding.

LONGITUDINAL DOVE TAIL SLOT IN BOTTOM OF INSTRUMENT . . . to allow for either fixing to or sliding the GraphAnalogue on a crossbar.

OPEN-BOX TYPE INSTRUMENT CASE . . . to permit the user to take the instrument from the box or replace it with great ease.

SCALE SELECTOR . . . to guide the reading of scales.

PLASTIC COVER PROTECTION OVER THE SPRINGS

The plastic cover is designed for strength and improved readability for the purpose of protecting the two springs. It has a cylindrical lens which makes the spring appear on the outer surface of the plastic as well as closer to the bottom surface or the work.

TWO SPRINGS

A second spring is installed which carries the following numbers: 0, 20, 40, 60, 80 and 100. This helps to reduce reading errors and expedite the reading.

18 SCALES

The following scale series are now included: Reciprocal, linear, trigonometric, power, logarithmic, and probability. All scales are on one strip of aluminum, which is held in the instrument by two screws. See Page 4.

GRAPH PAPER INSERT

A graph paper calibrated to the GraphAnalogue can be inserted under the Scale Selector. Any arbitrary linear or nonlinear curve can be plotted on this graph paper and used directly with the springs. **VERY IMPORTANT AND USEFUL IN READING OSCILLOGRAMS WITH NONLINEAR CALIBRATION — DATA REDUCTION.** This graph paper comes in pad form and can be ordered separately.

RECIPROCAL SCALES

APPLICATIONS: Select any scale or scale ratio.

Determine scale factor or unity constants on drawing or graphs.

R_I scale . . . This is an inch reciprocal scale similar to the "R" scale on Gerber Variable Scale Model TP007100.

R_F scale . . . Foot reciprocal scale.

R_C scale . . . Metric reciprocal scale — decimal scale — centimeter.

LINEAR SCALES

APPLICATIONS: % Calculations

Reading small distances with increased accuracy (i.e. read one more digit).

I scale This is a proportional inch scale similar to the "I" scale on the Gerber Variable Scale Model TP007100.

F scale Proportional foot scale.

C scale Proportional centimeter scale.

TRIGONOMETRIC SCALES

APPLICATIONS: Reading, plotting and interpolating trigonometric functions.

Phase angles and amplitudes.

Nomograms.

T scales Tangent scales.

S, C scales . . Sine and cosine scales.

D scale Degree scale.

POWER SCALES

APPLICATIONS: Reading, plotting and interpolating square, square root, and cube root curves or scales. (Very useful in velocity and power plots.)

Nomograms.

Interpolation.

()² scales . Square scales

()^{1/2} scales . Square root scales.

()^{1/3} scales . Cube root scales.

LOGARITHMIC SCALES

APPLICATIONS: Reading, plotting and interpolating logarithmic graphs, curves, or scales.

Power ratios of curves.

Nomograms.

L_{10} scale . . . Log base 10 scale.

L_e scales . . Log base e scales.

PROBABILITY SCALE

APPLICATIONS: Statistical work.

Reading, plotting and interpolating probability functions.

P scale Probability scale.