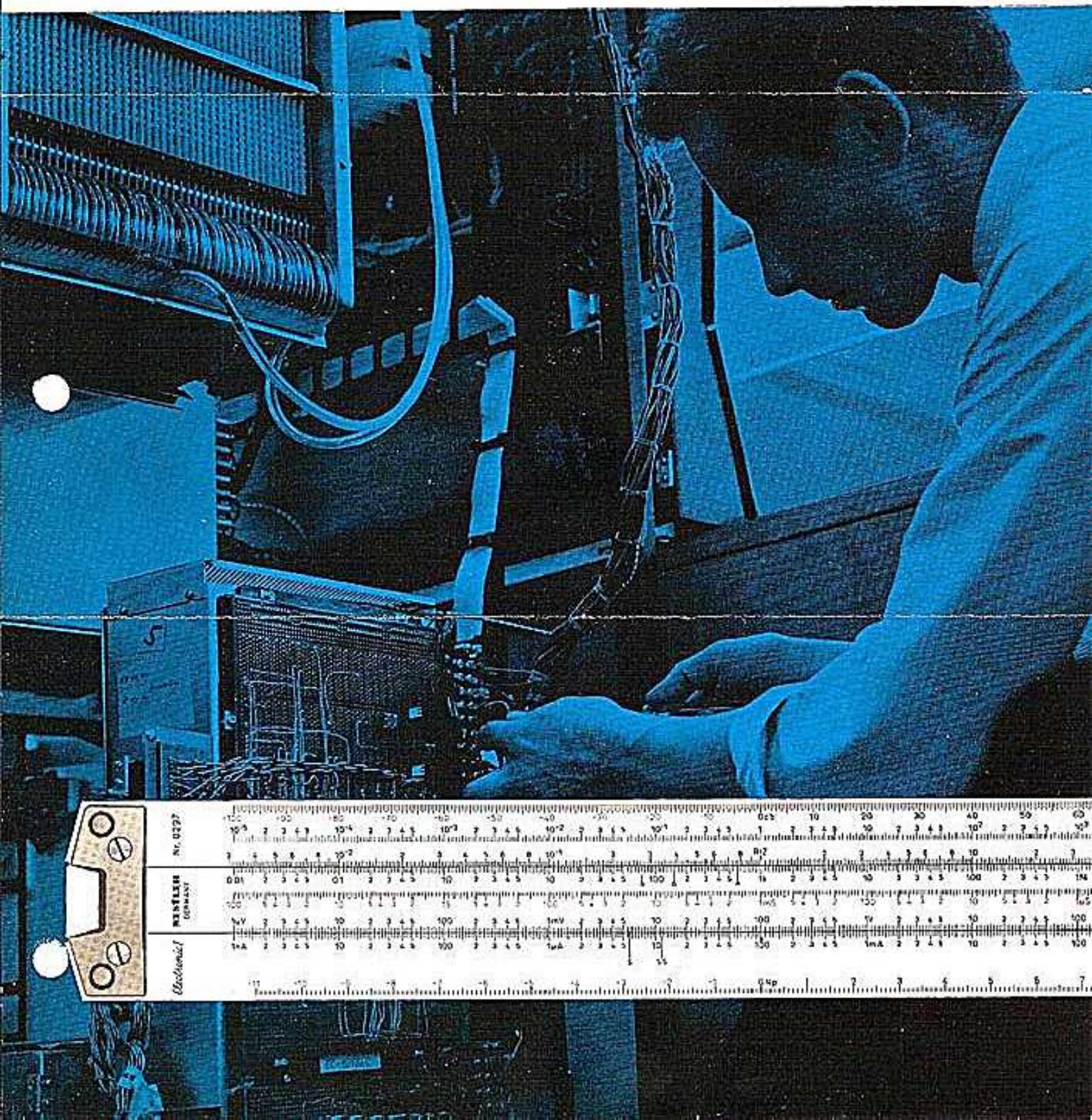
NESTLER

ELECTRONIC 0297



NESTLER

ELECTRONIC 0297

is a specially designed slide rule for the electrical and electronic engineer. The most important presently-used equations in electro-electronic engineering can be read on 18 scales with an accuracy of 1 to 2% and correct digital values.
The clear arrangement of the scales permit the direct reading of correct digit positions at considerable time savings.
A listing of applications and corresponding scale units is shown below:

Front side:

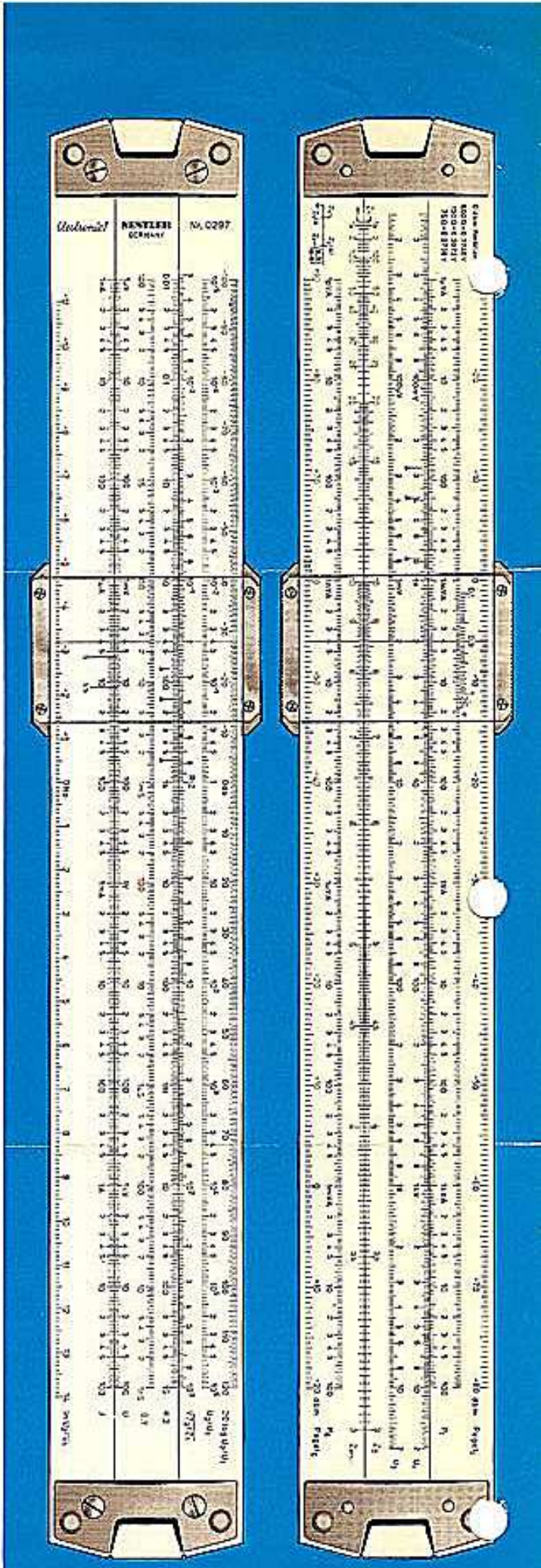
Decibel-Scale for		
Amplification and Attenuation	−100 . . . 0 . . . +120 db	$20 \log U_2/U_1$
Relation scale for		
Amplification and Attenuation	10^{-4} . . . 1 . . . 10^{4}	U_2/U_1
Transformation Scale	$\ddot{u} = 3 \cdot 10^{-4}$ . . . 1 . . . 10^{4}	$\sqrt{Z_2/Z_1}$
Resistance Scale	0.01 . . . 1 G	R, Z
Conductivity Scale	100 S . . . 1 nS	G, Y
Voltage Scale	1 V . . . 100 kV	U
Current Scale	1 nA . . . 100 A	J
Neper Scale for		
Amplification and Attenuation	−11 . . . 0 . . . +14 Np	$\ln U_2/U_1$

Reverse side:

Level Scale, in relation		
to basic value of 1 mW	−30 . . . +80 dbm	$Pegel_I$
Power output Scale with		
double divisions	1 µVA . . . 100 kVA	P_I
Voltage Scale	15 mV . . . 20 kV	U_I
Voltage Scale	15 µV . . . 20 V	U_{II}
Z-Scale	1 K . . . 3	Z_x
Z-Scale	1 K . . . 3	Z_{ges}
Power output Scale	1 pVA . . . 100 mVA	P_{II}
Level Scale, in relation		
to basic value of 1 mW	−90 . . . +20 dbm	$Pegel_{II}$
Phase Angle Scale on Cursor	0.1 . . . 1	Sin, cos φ

The upper divisions work together with the Cursor Scale of Sin, cos φ.

The Nestler 0297 slide rule comes in a genuine leather case, complete with instruction booklet.



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October 13, 1969

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DESIGN NEWS

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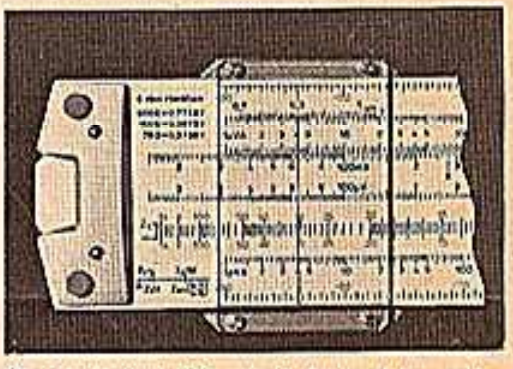
Enclosure

DESIGN NEWS OCT 13 '69

Electronic Slide Rule



An easy-to-read slide rule is designed for resolving calculation problems in the electronic and electrical fields. The rule has 18 scales with clear gradations that permit calculations with a relative error as low as 1 to 2 percent and a saving in time of up to 60 percent. The scales allow a direct reading with the decimal point. Applications include Ohm's law, output-power law, dbm level, series connections of conductors or capacitance and several others. **Caltronic Lab.**, Box 36356, Los Angeles, Calif. 90036.

For more information, circle number 429