

Lawrence/Engineering Instruments Imperial Range

Model numbers not only identify the different examples in the range but they also have a “hidden” classification meaning.

The format of the alphanumeric model numbers is **n[n]-x[x]**:

- **n[n]** numerical part is the length of the stock in imperial inches
- first **x** alphabetical suffix is for each different models within the range
- optional extra last alphanumeric **[x]** is for different versions of the same model

Model #	Type/Name (© yyyy)	Cursor	Scale layout/Use
8-A	Mannheim	Yes	A/B,C/D
8-B	Enhanced Mannheim	Yes	A/B,CI,C/D,K but <u>no</u> S,L,T
10-B & DeLuxe	Enhanced Mannheim (<i>DeLuxe</i> only on the box)	Yes Yes	A/B,CI,C/D,K but <u>no</u> S,L,T <i>DeLuxe</i> version = magnifying cursor
10-C	ENGRAVER'S AND PHOTOGRAPHER'S PROPORTION CALCULATOR	No	For area % up & down scaling (reduction/enlargement arrows point to results)
10-D 10-Do	LUMBER CALCULATOR (© 1946)	No No	For lumber volume in board feet ⁱ (set thickness & width, result on “D” for given length)
10-F	PRICING AND INVENTORY RULE (versions © 1945 and © 1946)	Yes	For discount or profit margin mark-up per gross/dozen/each in \$'s and value of stock in \$'s
10-G	CUTTING SPEED CALCULATOR (© 1946)	Yes	For recommended cutting speed in f.p.m. ⁱⁱ for given drill speed & size
12-H	COPYFITTER (© 1946 but credited to Owen T. Taylor)	Yes	For font size and letter/word/line spacing in points and picas ⁱⁱⁱ when typesetting (also version in Table 3)
10-I	MODEL BUILDER'S SLIDE RULE (© 1947)	Yes	With the special tables on the back it scaled down railroads/trains according to various railway gauge sizes to make replica size models
12-J	PRO-RATER (© 1948)	Yes	For calculating days between two dates and the pro-rata premium for a given number of days (pro-rata table to four decimal places on back)
9-K	MUSIC TRANSPOSER (© 1947)	No	For constructing chords in any key & transposing one key to any other
8-L	COPPER WIRE SELECTOR “Voltage Drop Calculator” (© 1946)	No	For minimum wire size in A.W.G. ^{iv} (set length & load, result on “D” for 440/220/110 voltage drop)
10-N	PRINTER'S PROPORTION RULE (© 1946)	Yes	For moving between inches & picas ⁹ when printing/publishing
6-Op	Calculator for PHOTOFLASH	No	Early generic version for correct lens

Model #	Type/Name (© yyyy)	Cursor	Scale layout/Use
	LAMPS (© 1946)		aperture (set film speed & lamp, result on "D" for distance)
6-Op	FLASHRULE (© 1946)	No	For GE or Westinghouse type of flashbulbs.
6-Ow	FLASHRULE (© 1946)	No	For WABASH flashbulbs

In the sequence of model numbers, no model "E" or "M" exists. They have been prototype models that never made it to market. Further and for no obvious reason, some branded slide rules out of this range have no model number. However, such "plain" examples always had the scale layout of the flagship model of the range: the 10-B.

ⁱ Specialised unit of measure used for the volume of lumber in the US and Canada. It is the volume of a one-foot length of a board, one foot wide and one inch thick.

ⁱⁱ f.p.m. = feet per minute.

ⁱⁱⁱ French, American & Anglo-Saxon versions exist -1 American pica = 0.166044 inch.

^{iv} A.W.G. = American Wire Gauge.