



## Klett™ Colorimeters

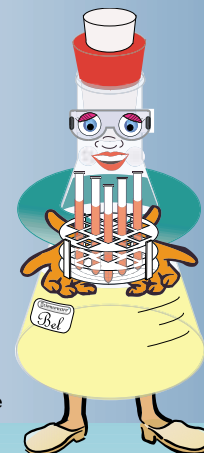
*Use for Colorimetric and Turbidimetric Determinations Including: Color, Concentration, Haze and Density Measurements and Microbiology Growth Curves.*

These photometric colorimeters use specific light filters to give readings on a unique Klett™ scale. The readings are directly proportional to the concentration or optical density of a solution, in accordance with Beers Law. Two matched photocells and a suspension galvanometer give the instrument a broad range of measurement making it light and ambient temperature independent. A fully compensated and carefully balanced electrical circuit provides accuracy and consistency in readings while using simple and rugged equipment. The precision galvanometer has an illuminated logarithmic scale, graduated from 1 to 1000 Klett™ and the scale is graduated in units proportional to the optical density. Repeatability is  $\pm 0.33\%$  of the full scale. Two units are available. The Industrial Model accepts rectangular solution cells, which can be used in either of two directions. Measurements can then be taken at depths of 10mm, 20mm, or 40mm. A reduction plate is available to minimize solution depth to 2.5mm. An adapter is available which permits the use of test tubes. The Clinical Model uses standard 14.25 x 125mm test tubes. Calibrated or uncalibrated tubes are available. In addition, micro test tubes can be used for samples as small as 2.5 ml. Both models are supplied with the two most commonly used filters, blue

for 400-450nm and green for 520-580nm. Additional filters are available to permit measurements over the complete visual range. Each unit has detailed instructions, standards and guides for a wide range of tests.

CATALOG NO	PRICE/EACH
Klett™ Colorimeter, Model 800-3, 115VAC Clinical Model T37012-0000	\$2,100.00
Klett™ Colorimeter, Model 800-3, 220VAC Clinical Model T37012-0001	\$2,150.00
Klett™ Colorimeter, Model 900-3, 110VAC Industrial Model T37013-0000	\$2,150.00
Klett™ Colorimeter, Model 900-3, 220VAC Industrial Model T37013-0001	\$2,300.00

- Rugged construction for long service life
- Klett™ scale is longer than many other photoelectric scales allowing greater graduation spacing for easier and more accurate readings
- Repeatable results with accuracy to 0.33% on the full scale
- Accessory filters allow measurement over complete visual range
- Measurements for both color and turbidity are possible
- Fully compensated and balanced electrical circuits do not require storage batteries or current regulators, and can be used with any electrical power supply
- Available as 115 or 220V for use worldwide



**For Test Tube and Micro Tube Racks, See Pages...**

### ACCESSORIES FOR KLETT™ COLORIMETERS

For Klett™ Colorimeter, Clinical Model T37012-0000

CATALOG NO	DESCRIPTION	PRICE
T37012-0010	Klett™ 801 Test Tubes, Uncalibrated	Pack/12 \$42.60
T37012-0020	Klett™ 802 Test Tubes, Calibrated	Pack/12 75.00
T37012-1020	Klett™ Test Kit, Calibrated Includes three test tubes #0, 1, and 2; test filter, and instructions	Each 449.60

For Klett™ Colorimeter, Industrial Model T37013-0000

CATALOG NO	DESCRIPTION	PRICE/EACH
T37013-0010	Klett™ 901 Solution Cell, 20/40mm	\$118.00
T37013-0015	Klett™ Fused Solution Cell, 20/40mm	274.00
T37013-0020	Klett™ 902 Solution Cell, 10mm	119.00
T37013-0030	Klett™ 903 Reduction Plate	*
T37013-0041	Klett™ 904M Special Test Tube Adaptor	146.40
T37013-1015	Klett™ Test Kit, Industrial Includes three test tubes #0, 1, and 2; test filter, test tube adaptor and instructions	554.00

Filters for both Clinical and Industrial Models

CATALOG NO.	DESCRIPTION	SPECTRAL RANGE	PRICE/EACH
T37014-0040	KS-40 Color Filter	380-430	\$290.00
T37014-0042	KS-42 Color Filter, Blue	400-450	152.00
T37014-0044	KS-44 Color Filter	410-480	227.00
T37014-0047	KS-47 Color Filter	445-505	*
T37014-0050	KS-50 Color Filter	470-530	*
T37014-0052	KS-52 Color Filter	485-550	*
T37014-0054	KS-54 Color Filter, Green	520-580	237.00
T37014-0055	KS-55 Color Filter	520-600	*
T37014-0056	KS-56 Color Filter	540-590	243.00
T37014-0059	KS-59 Color Filter	565-630	319.00
T37014-0060	KS-60 Color Filter	580-640	*
T37014-0062	KS-62 Color Filter	590-660	*
T37014-0064	KS-64 Color Filter	620-680	*
T37014-0066	KS-66 Color Filter, Red	640-700	239.00
T37014-0069	KS-69 Color Filter	660-740	260.00
T37014-0070	KS-6225T Color Filter	590-660	*

\*Special Order - Call 1800-4BEL-ART for Prices