

WILSONWERKS ARCHIVES

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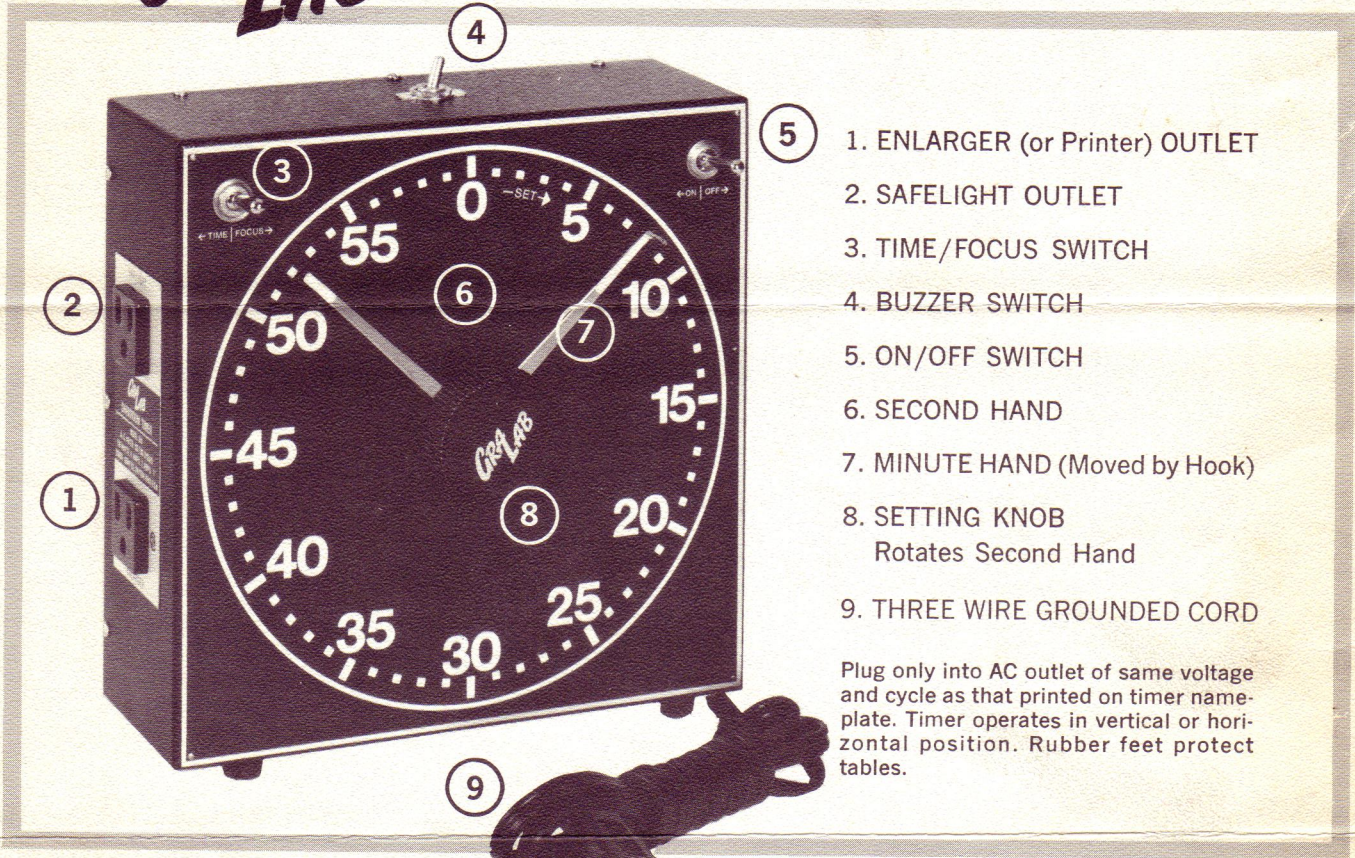
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OPERATING INSTRUCTIONS

GRA LAB

MODEL 300 DARKROOM TIMER



1. ENLARGER (or Printer) OUTLET
2. SAFELIGHT OUTLET
3. TIME/FOCUS SWITCH
4. BUZZER SWITCH
5. ON/OFF SWITCH
6. SECOND HAND
7. MINUTE HAND (Moved by Hook)
8. SETTING KNOB
Rotates Second Hand
9. THREE WIRE GROUNDED CORD

Plug only into AC outlet of same voltage and cycle as that printed on timer nameplate. Timer operates in vertical or horizontal position. Rubber feet protect tables.

GENERAL PHOTOGRAPHIC TIMING

All photographic processes may be timed and controlled with this instrument. Enlarger (or printer) and safelight are controlled through two separate outlet receptacles marked ENLARGER (1) and SAFELIGHT (2) on the left side. Use of built-in buzzer (4) is optional. Buzzer operates only at 0.

The two hands permit selection of any time interval from 1 second to 60 minutes. Hand with hooked end (7) is a "minute" hand. "Second" hand is turned with plastic knob (8) in center of dial. Always set hands clockwise. (See set arrow between 0 and 5.) Example: 2 minutes, 49 seconds . . . rotate "minute" hand (hook) to second graduation past 0. Rotate "second" hand (knob) to fourth graduation past 45.

AUTOMATIC ENLARGER TIMING

1. Turn ON-OFF switch (5) to OFF.
2. Plug enlarger into outlet receptacle marked ENLARGER (1).
3. Set TIME-FOCUS switch (3) on FOCUS.
4. Turn ON-OFF switch to ON and focus enlarger. Then turn to OFF again.
5. Set timer hands (7) and (8) clockwise to desired setting . . . also set TIME-FOCUS switch to TIME.
6. Turn ON-OFF switch to ON and timer hands will automatically turn enlarger off after desired interval.

SAFELIGHT OPERATION

Plug safelight into outlet receptacle (2) marked SAFELIGHT to obtain these features:

1. When TIME-FOCUS switch is set on FOCUS and enlarger is turned on, safelight will be turned off automatically, eliminating any extraneous light.
2. With TIME-FOCUS switch set on TIME and the enlarger is on, safelight is automatically turned off, eliminating shadows when a "dodging" operation is necessary.

3. When timer hands return to zero, automatically turning enlarger off, safelight will be automatically turned on, giving operator light for his next operation.
4. Other appliances may be turned on after a timed interval by connecting to the safelight receptacle (2).

LUMINOUS DIAL

Luminous dial can be read for 20 to 30 minutes in total darkness before fading. Dial can be "recharged" to original brightness through short exposure to an incandescent or fluorescent light. Do not expose fog sensitive film directly to face of timer.

PRECAUTIONS

1. Use timer only at AC voltage & cycle printed on nameplate.
2. Be sure total appliance load (both outlet receptacles) does not exceed 750 watts (or 6 amps at 125 volts).
3. Always set hands clockwise from 0. (See set arrow between 0 and 5.) Do not move hands counterclockwise past 0. Once hands have left 0 position clockwise, they can be moved either direction.
4. Always protect timer from jars and shocks.
5. Slight gear noise or hum is characteristic of synchronous motors. This does not interfere with operation of timer.

WARRANTY AND RETURNS

Timer is guaranteed against defective materials and workmanship for one year after date of purchase, provided it has not been tampered with. Guarantee void if any case seals are broken. Guarantee card should be filled in and mailed at once. Out of warranty timers will be repaired for a nominal charge. Return timer to your dealer or directly to our factory. Pack timer carefully in original carton if possible; otherwise place ample packing around corners and knob. Enclose note describing defect. We cannot be responsible for damage in return shipment of poorly packed timers.

DIMCO-GRAY COMPANY 207 East Sixth Street, Dayton, Ohio 45402

Printed in U.S.A.

GRA LAB TIMERS

FOR SPORTS...LAB...PHOTO
AND OTHER
USES



Model 165-S

Perfect master or "time-out" timer for sports. Shows time left to play in minutes and seconds. Inner circle of red numerals serves as stop clock.

Model 202

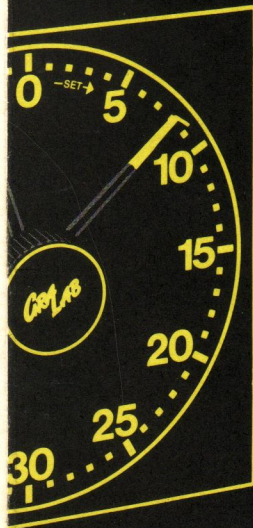
Micro-Timer portable stop clock has range of 1000 seconds and dial divisions of 0.1 second. Aluminum markings on black face provide sharp image for high speed photos, time-and-motion studies, etc.



GRA LAB

DARKROOM TIMER

shows minutes
and seconds
in total
darkness!



Price of this model

DIMCO-GRAY COMPANY

207 EAST SIXTH STREET • DAYTON, OHIO 45402

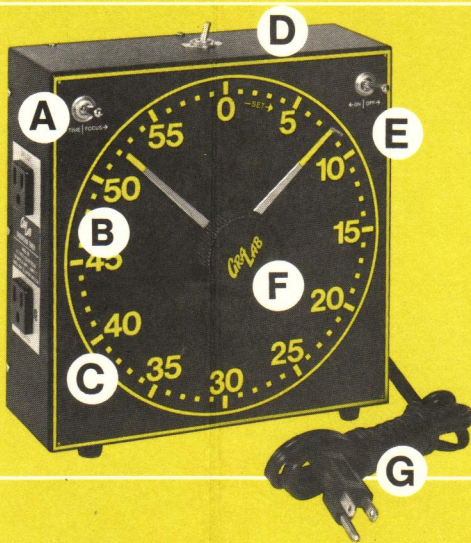
Litho in U.S.A.

THE IDEAL DARKROOM TIMER FOR ALL ENLARGING, DEVELOPING AND COLOR PHOTO PROCESSING

A Combination Focus/Time switch controls printer or enlarger and safelight through two outlet receptacles.

B Luminous (phosphorescent) numerals and hands make it possible to work in total darkness on processes that must be accurately timed, such as color photography.

C Large dial—8-inch diameter—can easily be read from across the room.



D Buzzer signal indicates end of film development or other periods.

E Sturdy steel case has textured polyurethane finish—resists photographic chemicals.

F Combines minute and second timing from 1 second to 60 minutes.

G Electric motor driven. Split-second synchronous accuracy—better than $\frac{1}{10}$ of 1% at maximum interval setting. UL approved. Grounded outlet receptacles and cord.

GRALAB MODEL 300
with luminous (phosphorescent) dial

GraLab Timers are fully guaranteed against any defects in material and workmanship.