

## Klett Operation

### Important Notes

- Make sure tubes and/or cells are clean and dry. Wipe outside with a lint free tissue.
- Lamp may be left on all day, but should be shut off at night.
- The galvanometer switch (H) should ONLY be set to "OFF" when moving or shipping the instrument. For every day use, this switch should be set in the "ON" position (pointed upward).
- The zero position for the galvanometer pointer (C) is when the tip of the pointer is exactly aligned with the center line on the pointer scale. The pointer should be in this position when the instrument is not in operation and the lamp is turned off.

### Operation

1. Make sure the short-circuit switch (H) is in the "ON" position.
2. When the lamp is off, pointer (C) should be at zero. If not, adjust with small knob (D) on top of instrument.
3. Place tube (E) with distilled water into opening.
4. Turn large knob (A) on front of instrument to read 0 on scale (B).
5. Switch on colorimeter lamp (F).
6. Readjust zero with larger knob (G) on top and further back on instrument.
7. Allow lamp to burn for a few minutes to warm up and check zero again. Readjust if necessary.
8. The instrument is now ready for use.
9. To read unknown, remove distilled water tube and insert tube with unknown solution. Turn scale knob (A) until pointer (C) has been brought back to zero. The reading on the scale is now the reading of the unknown solution.

