

Hand Refractometer

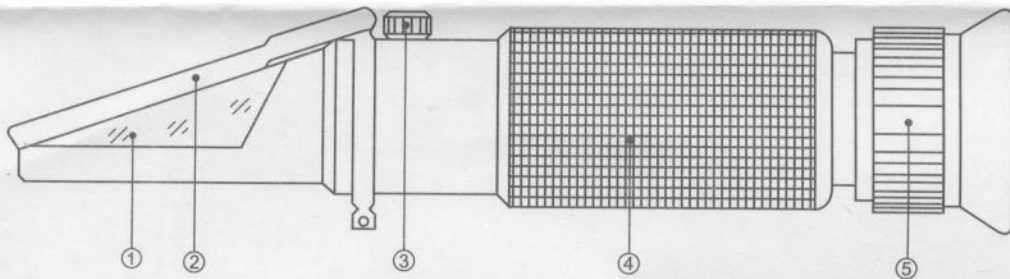
Instructions Operating

REF312ATC

Series _____

| No. | Model | Measuring Range | Minimum Scale | Size (mm) | Weight (g) |
|-----|------------|---|------------------------------------|------------------|------------|
| 1 | REF301/311 | 0-12g/dl 1.000-1.040sg | 0.2g/dl 0.002sg | 26/30 x 40 x 170 | 175 |
| 2 | REF302/312 | 0-12 g/dl 1.000-1.050sg 1.3330-1.3600RI | 0.2g/dl 0.005sg 0.0005RI | 26/30 x 40 x 170 | 175 |
| 3 | REF303/313 | 0-12 g/1000ml 1.000-1.050UG 1.3325-1.3600ND | 0.2g/1000ml 0.005UG 0.0005ND | 26/30 x 40 x 170 | 175 |
| 4 | REF304/314 | 0-12 g/dl 1.000-1.040UG 1.3330-1.3600ND | 0.2g/dl 0.005UG 0.0005ND | 26/30 x 40 x 170 | 175 |

Name of components _____



1. Prism 2. Cover plate 3. Correcting screw 4. Mirror tube 5. Eyepiece (Adjusting ring of diopter)

Method of operation _____

1. Aim the front end of the refractometer to the direction of the bright light, and adjust the adjusting ring of diopter (5) until the reticle can be seen clearly.
2. Adjustment of null:
Open the cover plate (2), drop distilled water one or two drops on the surface of the prism. Close the cover plate and press it lightly, then adjust the correcting screw (3) to make the light/dark boundary coincide with the null line.
3. Open the cover plate (2) clean the surface of prism by soft cotton cloth, drop 1~2drops of solution to be measured. Close the cover plate, press lightly. The read the corresponding scale of light and dark boundary, the reading is the concentration of albumen.
4. When measure the specific gravity of urine and ND. You can use the same mentioned operations.
5. After the measurement, clean away the adherence of serum and urine on the surface of prism and cover plate by moist cotton cloth. After drying , it should be stored perfectly.