

# Electronic Densimeter CY Series



Archimedes Principle Base



Electronic Densimeter CY-323GT upgraded from previous model CY-613GT, and CY-3102GT with maximum capacity up to 3kg.

New features 1. Accuracy increased 5 times than previous model 2.High stability weighing sensor 3.Auto-weighing function 4.Powder Density, which improves working efficiency and accuracy. They inherit the easy operation "Sample on the container, then into the water". Highly developed Densimeter to industrial standard.

**Main Industry**

Automobile, Aircraft, Electric, Electron, Rubber, Plastic, Sinter, Nonferrous Metals, Glass, Paper, Foods, Woods, Laboratories, University, Medical, Oil, etc...

**Rubber**

Ceat, JK Tyres, MRF, Goodyear, Sum Exim, Apollo, Glenrock Rubber, Trimurti Auto, RPG Cable, Anar Rubtech, Rubber, Birla, Bridgestone, Falcon, Hindustan, Paragon, Phoenix, Sundaram, Relaxo, Duroflex, Garware, Monotona, JSR, Mitsubishi Chemical, Ohtsuka Poli-Tech, Moon Star etc...

**Automobile, Aircraft, Ships**

Toyota, Honda, Yamaha, Tata, M&M, L&T, Skoda, Bajaj, American Spring, HAL, Ford, General Motor, Hero, TVS, Maruti etc.

**Plastic**

Ceilo, Amar, TBF Chem, Reliance, Finorex, Neelkamal, Suprem, Prince Automobile, Sumitomo Chemical, Toray, Asahi Chemical, Fuji Film, JBF Chemical, United Phosphorus, BASF Chemical, Dow Chemical, etc...

| Feature                           | CY 612GT | CY 613GT   | CY 323GT   | CY 224GT   | CY 3102GT  | CY 35001GT |
|-----------------------------------|----------|------------|------------|------------|------------|------------|
| Solid Density Mode                | ○        | ○          | ○          | ○          | ○          | ○          |
| Density Variation                 | ○        | ○          | ○          | ○          | ○          | ○          |
| Volume Variation                  | ×        | ○          | ○          | ○          | ○          | ○          |
| Comparator Mode                   | ○        | ○          | ○          | ×          | ○          | ○          |
| Optional Meas. Mode               | ×        | ×          | ○          | ×          | ○          | ○          |
| Compensation of Water Temperature | ○        | ○          | ○          | ○          | ○          | ○          |
| Other Medium Adapt.               | ○        | ○          | ○          | ○          | ○          | ○          |
| Auto-weighing function            | ×        | ×          | ○          | ×          | ○          | ○          |
| New Sensor                        | ○        | ○          | ○          | ×          | ○          | ○          |
| Reference Value                   | ×        | ×          | ○          | ×          | ○          | ○          |
| Error Tolerance                   | ×        | ×          | ○          | ○          | ○          | ○          |
| Measuring Time                    | 10 sec.  | Selectable | Selectable | Selectable | Selectable | Selectable |
| <b>Liquid Density Mode</b>        |          |            |            |            |            |            |
| Room Temp. Mode                   | ○        | ○          | ○          | ○          | ○          | ○          |
| Compensate Temperature Mode       | ○        | ×          | ○          | ×          | ○          | ○          |
| Repeat Measurement                | —        | ×          | ○          | ×          | ○          | ○          |
| Measuring Time                    | —        | 20 sec.    | 20 sec.    | 20 sec.    | Selectable | Selectable |

| Functions                                | CY 612GT   | CY 613GT        | CY 323GT        | CY 224GT        | CY 3102GT       | CY 35001HGT     |
|--|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Density Resol. (g/cm³)                   | 0.01   | 0.001           | 0.001           | 0.0001          | 0.01            | 0.1             |
| Volume Display (cm³)                     | 0.01   | 0.001           | 0.001           | 0.0001          | 0.001           | 0.01            |
| Scale Capacity (g)                       | 0.01 ~ 600   | 0.01 ~ 600      | 0.001 ~ 320     | 0.0001 ~ 220    | 0.01 ~ 3100     | 0.1 ~ 35        |
| Repeatability (g/cm³)                    | ±0.01  | ±0.001          | ±0.001          | ±0.0001         | ±0.01           | ±0.1            |
| *Necessary Weight against density        |  |                 |                 |                 |                 |                 |
| Measure Density (g/cm³)                  | 0.01 ~   | 0.001 ~         | 0.001 ~         | 0.0001 ~        | 0.01 ~          | 0.1 ~           |
| Measurable Maximum size (cm) (W x D x H) | 342 x 212 x 270  | 342 x 212 x 270 | 342 x 212 x 270 | 342 x 212 x 270 | 342 x 212 x 230 | 517 x 302 x 130 |
| Necessary Amount of Liquid (cc)          | -  | 50              | 50              | 50              | 50              | 50              |
| Measuring Method                         | Confirm to Pycnometer and Hydrostatic Method   |                 |                 |                 |                 |                 |
| Adaptable Standards                      | BIS K6268A, BIS K6350 (rubber), BIS K7112 (Plastic) etc...<br>USA ASTM D297-93-16 (rubber), D797-00 (Plastic) etc / JIS, UL, ISO Standard etc... |                 |                 |                 |                 |                 |
| ISO                                      | ○  | ○               | ○               | ○               | ○               | ○               |
| CE                                       | ○  | ○               | ○               | ○               | ○               | ○               |
| Power Source (Intl.)                     | AC 100 ~ AC 240W   |                 |                 |                 |                 |                 |
| Dimension (kg/mm)                        | 5.5 kg   | 7.8 kg          | 7.8 kg          | 7.8 kg          | 5.5 kg          | 15 kg           |

Specification are subject to change without prior notice. Images shown are for illustrations purpose only.

**WORLD WIDE MARKETING**

**ACZET PVT. LTD.**

Unit E2, Plot No. 15, WICEL Estate, Opp Seepz Gate No. 1, Andheri (E), Mumbai 400 093. (INDIA)  
Tel. : +91-22-4243 7700 • Fax : +91-22-4243 7800 • E-mail : sales@aczel.com • Web : www.aczel.com