

# DIGITAL POLARIMETER

Model - LAB Digipol



- $\pm 90^\circ$  measuring range
- Glan Thompson, better C/P ratio
- Instrument as 'Host', more safe and compact
- Modern data management software, fulfilling GLP, ALCOA (21CFR, Part II)

## SPECIFICATIONS

|                        | LAB Digipol                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------|
| Measuring range        | $\pm 90^\circ$                                                                                                |
| Resolution             | 0.001°                                                                                                        |
| Accuracy               | $\pm 0.002^\circ$                                                                                             |
| Reproducibility        | $\pm 0.002^\circ$                                                                                             |
| Temperature range      | 0-100 °c                                                                                                      |
| Temperature resolution | 0.1 °c                                                                                                        |
| T. control model       | Peltier                                                                                                       |
| T. control range       | 10 - 50 °c                                                                                                    |
| T. control accuracy    | $\pm 0.1^\circ$ c                                                                                             |
| Sensitivity            | Min 0.01%                                                                                                     |
| Prism                  | Glan Thompson (For better optical sensitivity, ideal measurement for dark sample and keep accuracy long time) |
| Light source           | LED light source, long time life for 100000 hours                                                             |

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## SPECIFICATIONS

|                                 |                                                                                                    |                                |                    |     |
|---------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------|--------------------|-----|
| Wavelength                      | 589nm as standard, Upgradeable for other wavelengths (365, 405, 436, 546, 578, 633, 880)           |                                |                    |     |
| Measuring mode                  | Optical rotation, Specific rotation, Concentration, International sugar scale, User-definable mode |                                |                    |     |
| Sample cell                     | Up to 200mm, package including:                                                                    |                                |                    |     |
|                                 | 200mm*1 (glass tube)                                                                               |                                |                    |     |
|                                 | 100mm*1 (Temperature-controlled stainless steel tube)                                              |                                |                    |     |
| Interface                       | RS232, USB, easy connection of printer and PC                                                      |                                |                    |     |
| Display                         | 8 inches touch screen, color LCD                                                                   |                                |                    |     |
| 21CFR<br>Electronic<br>Features | User<br>Management                                                                                 | No. of users                   | 50                 |     |
|                                 |                                                                                                    | User entry password            | Yes                |     |
|                                 |                                                                                                    | User level                     | 4                  |     |
|                                 | Data<br>management                                                                                 | Data processing                | PW protection      |     |
|                                 |                                                                                                    | PW reminder                    | Yes                |     |
|                                 |                                                                                                    | Measuring mode                 | 200, editable      |     |
|                                 |                                                                                                    | Discarded method database      | 1000 Groups data   |     |
|                                 |                                                                                                    | Filtered measurement database  | 100000 Groups data |     |
|                                 | Safe guard in<br>data transmission                                                                 | Discarded measurement database | 1000 Groups data   |     |
|                                 |                                                                                                    | Audit trail database           | 100000 Groups data |     |
|                                 |                                                                                                    | Software to PC with protector  | Provided           |     |
|                                 |                                                                                                    | Data format                    | PDF                |     |
|                                 |                                                                                                    | Additional features for 21CFR  | On-line printing   | Yes |
|                                 | Database printing                                                                                  | Yes                            |                    |     |
| Voltage                         | 220V±22V, 50Hz±1Hz                                                                                 |                                |                    |     |
| N.M. / G.W.                     | 30Kg / 33Kg                                                                                        |                                |                    |     |
| Dimension (L*W*H)               | 72*37*24cm                                                                                         |                                |                    |     |
| With packing dimension          | 88*59*42cm                                                                                         |                                |                    |     |

# LABINDIA

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LABINDIA reserve the right to change specification without notice as part of its continuous programme of product development.