

## Refractometer

### Portable Digital Refractometers



PDR-series



PDR-F series

#### Features:

- \* Wide choice-over 20 models available
- \* Automatic temperature compensation
- \* Automatic power management
- \* With IP65 verification of waterproof and dustproof (only PDR-F series)

#### Technical Parameters:

| Model   | Scale            | Range         | Min. Reading | Accuracy | Temp. Range              | Temp. Precision | Power Supply      | Packing Size (W*D*H)mm | G.W. (kg) |
|---------|------------------|---------------|--------------|----------|--------------------------|-----------------|-------------------|------------------------|-----------|
| PDR-35  | Brix (%)         | 0~35%         | 0.1          | ±0.2     | 0°C~40°C<br>(32°F~104°F) | ± 0.5°C(1°F)    | 2 x AAA<br>(1.5V) | 165*95*60              | 0.35      |
|         | Refractiv Index  | 1.3330~1.3900 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-45  | Brix (%)         | 0~45%         | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.3330~1.4098 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-85  | Brix (%)         | 0~85%         | 0.1          | ±0.5     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.3330~1.5100 | 0.0001       | ±0.0005  |                          |                 |                   |                        |           |
| PDR-92  | Brix (%)         | 58~92%        | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.4370~1.5233 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-HN1 | Brix (%)         | 58~92%        | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | ° B, e           | 38~43         | 0.1          | ±0.1     |                          |                 |                   |                        |           |
|         | Water (IHC2002)  | 13~25         | 0.1          | ±0.1     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.4370~1.5233 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-HN2 | Brix (%)         | 58~92%        | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | ° B, e           | 38~43         | 0.1          | ±0.1     |                          |                 |                   |                        |           |
|         | Water (IHC2002)  | 17~27         | 0.1          | ±0.1     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.4370~1.5233 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-A1  | Salinity         | 0~28%         | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | Ref ractiv Index | 1.3330~1.3900 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |
| PDR-S1  | Brix (%)         | 0~35%         | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | Salinity         | 0~28%         | 0.1          | ±0.2     |                          |                 |                   |                        |           |
|         | Refractiv Index  | 1.3330~1.3900 | 0.0001       | ±0.0003  |                          |                 |                   |                        |           |

#### Technical Parameters:

| Model    | Scale                      | Range         | Min. Reading | Accuracy  | Temp. Range              | Temp. Precision | Power Supply      | Packing Size (W*D*H)mm | G.W. (kg) |
|----------|----------------------------|---------------|--------------|-----------|--------------------------|-----------------|-------------------|------------------------|-----------|
| PDR-R1   | SERUM P. (g/dl)            | 1.000~1.050   | 0.001        | ±0.001    | 0°C~40°C<br>(32°F~104°F) | ± 0.5°C(1°F)    | 2 x AAA<br>(1.5V) | 165*95*60              | 0.35      |
|          | URINE SP.G                 | 0~12g/dl      | 0.1          | ±0.1      |                          |                 |                   |                        |           |
|          | Refractiv Index            | 1.3330~1.3900 | 0.0001       | ±0.0003   |                          |                 |                   |                        |           |
| PDR-R2   | SERUM P. (g/dl)            | 0~14g/dl      | 0.1          | ±0.1      |                          |                 |                   |                        |           |
|          | URINE SP.G (dog)           | 1.000~1.060   | 0.001        | ±0.001    |                          |                 |                   |                        |           |
|          | Refractiv Index            | 1.3330~1.3900 | 0.0001       | ±0.0003   |                          |                 |                   |                        |           |
| PDR-R3   | SERUM P. (g/dl)            | 0~14g/dl      | 0.1          | ±0.1      |                          |                 |                   |                        |           |
|          | URINE SP.G (cat)           | 1.000~1.060   | 0.001        | ±0.001    |                          |                 |                   |                        |           |
|          | Refractiv Index            | 1.3330~1.3900 | 0.0001       | ±0.0003   |                          |                 |                   |                        |           |
| PDR-L1   | Alcohol                    | 0~60%v/v      | 0.1          | ±0.3      |                          |                 |                   |                        |           |
| PDR-L2   | Alcohol                    | 0~60%w/w      | 0.1          | ±0.5      |                          |                 |                   |                        |           |
| PDR-L5   | Methanol                   | 0~60%w/w      | 0.1          | ±0.5      |                          |                 |                   |                        |           |
| PDR-FWN1 | Brix (%)                   | 0~35%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | VOL AP (%)                 | 0~22%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | Oe (Germany)               | 30~150        | 1            | ±1        |                          |                 |                   |                        |           |
|          | KMW                        | 0~25          | 0.1          | ±0.2      |                          |                 |                   |                        |           |
| PDR-FWN2 | Brix (%)                   | 0~35%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | VOL AP (%)                 | 0~22%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | Oe (Germany)               | 30~150        | 1            | ±1        |                          |                 |                   |                        |           |
|          | KMW                        | 0~25          | 0.1          | ±0.2      |                          |                 |                   |                        |           |
| PDR-FWN3 | Brix (%)                   | 0~35%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | VOL AP (%)                 | 0~22%         | 0.1          | ±0.2      |                          |                 |                   |                        |           |
|          | Oe (Switzerland)           | 0~150         | 1            | ±1        |                          |                 |                   |                        |           |
|          | KMW                        | 0~25          | 0.1          | ±0.2      |                          |                 |                   |                        |           |
| PDR-FK1  | Soybean milk concentration | 0~35%         | 0.1          | ±0.3      |                          |                 |                   |                        |           |
| PDR-FC1  | Glycol                     | 32~50°F       | 0.1 °F       | ±1 °F     |                          |                 |                   |                        |           |
|          | Propanediol                | 32~50°F       | 0.1 °F       | ±1 °F     |                          |                 |                   |                        |           |
|          | Battery fluid              | 1.00~1.50sg   | 0.01 sg      | ± 0.01 sg |                          |                 |                   |                        |           |
|          | Glass water                | 32~40°F       | 0.1 °F       | ±1 °F     |                          |                 |                   |                        |           |
| PDR-FC2  | Glycol                     | 0~50°C        | 0.1 °C       | ±1 °C     |                          |                 |                   |                        |           |
|          | Propanediol                | 0~50°C        | 0.1 °C       | ±1 °C     |                          |                 |                   |                        |           |
|          | Battery fluid              | 1.00~1.50sg   | 0.01 sg      | ± 0.01 sg |                          |                 |                   |                        |           |
|          | Glass water                | 0~40°C        | 0.1 °C       | ±1 °C     |                          |                 |                   |                        |           |