

# Digital Bench Top Refractometers

## DRM Series



Digital refractometers are developed by completely upgrading from our DRM SERIES with high level microprocessors as well as powerful memorizers, which make them have many strong new functions.

One of the most prominent functions is "scales-remould(recreate)", i.e. by the RS232 PC PORT (for online with PC), users may any time remould and recreate out completely new scales at their option upon their needs ( after erasing the existing scales ) to realize the completely new measuring functions substituting for the existings,for example, giving the current scales for measuring BRIX,byremoulding out the new scales users can realize the measurement of solution of salt,wine, protein or others. It can be said such

one instrument can realize all measurements which must be made by the whole series of previous DRM products, in a sense, possessing one set of such instrument would match possessing whole series of our DRM products, that is why we named this series as the "MULTIPLE".

Besides the last, this series is also characterized by large LCD display, more scales (up to fives), higher accuracy, larger range of the measurement, shield lid avoiding the disturbance of outside light, and etc.

More detailed information can be got from the following introductions as well as the function-contrasting form between DRM SERIES

### Features:

- Large measure range(0-95%) (NEW)
- High precision.
- Automatic Temp. Compensation ( ATC ). (5°C-40 °C)
- Close ATC function. (NEW)
- Tolerance limit alarm function.(NEW)
- Stainless steel sample plate
- With a PC port.(NEW)
- All series of zero calibration function with distilled water.(NEW)
- Operation humidity: lower than 90%.
- Operation sea level: lower than 2000m
- Operation temperature: 0 °C ( 32°F ) - 40 °C ( 104 °F ).
- Storage temperature: -10 °C ( 14°F ) - 50 °C ( 122 °F ).
- Operating time: more than 5000 times per battery.
- Power supply: 9V Alkaline Battery
- Centigrade & Fahrenheit measurements
- Automatic shut off after 3 minutes
- Instantaneous reading
- Battery level display

Model		Range	Resolution	Accuracy
DRM-A	BRIX	54.0 - 95.0%	0.1%	±0.1%
	Refractive Index	1.4098 - 1.5318	0.0001	±0.0002
DRM-B	Brix	0.0 - 95.0%	0.1%	±0.1%
	Refractive Index	1.3330 - 1.5318	0.0001	±0.0002
DRM-C	Brix	0.0 - 60.0%	0.1%	±0.1%
	Salinity	0.0 - 28.0%	0.1%	±0.1%
	Salinity PPM	0 - 280	1	±1
	nD	1.3330 - 1.4419	0.0001	±0.0002
DRM-D	USG	1.000 - 1.090	0.001	±0.001
	Serum Protein	0.0 - 12.0	0.1	±0.1
	nD	1.3330 - 1.4098	0.0001	±0.0002

Dimension (LxWxH)	180 x 100 60 mm
Weight Approx.	900g