

# Refractometer Series



## SGW -733 / SGW -731 Automatic Digital Refractometer

### Characteristics

- Full automatic measuring, high resolution CCD detection system.
- Temperature correction function to avoid human error.
- Have the function of temperature display, automatic correction and saving the date.
- LED light source that lasts over 100000 hours.
- Multiple measuring methods: F42 fructose corn syrup, F55 fructose corn syrup concentration, Glucose concentration, Sucrose concentration, Solid content (juice vegetables, canned products, soft drinks), Honey water content, nD20 and user-defined formula.
- Temperature control, temperature automatic correction and saving the data (SGW-733).
- Touch Screen.

### Specifications

Parameters/Model	SGW-733	SGW-731
Measuring range	Refractive index (nD): 1.30000-1.70000 Brix : 0-100%	
Measuring accuracy	Refractive index (nD): $\pm 0.0002$ Brix : $\pm 0.1\%$	
Resolution	Refractive index (nD): $\pm 0.00001$ Brix : $\pm 0.01\%$	
Temp. control mode	Peltier ( Built-in )	/
Temp. display range	0-90°C	/
Temp. control range	10-60°C	/
Temp. control accuracy	$\pm 0.1^\circ\text{C}$	/
Prism	Hard glass	
Data storage	1000 sets	
Display	7 inch color touch screen	
Interface	RS232 , USB , U Disk	
Power supply	220V $\pm$ 22V , 50Hz $\pm$ 1 Hz , 50w	
Overall dimensions	500mm $\times$ 330mm $\times$ 220mm	
Weight(Gross)	9kg	