

	DR101-60	DR201-95	DR301-95
SCALES	Refractive index (nD) concentration of sucrose, glucose, fructose and invert sugar [%Brix]		Refractive index (nD) concentra- tion of sucrose, glucose, fructose and invert sugar [%Brix], salinity [‰], User-defined
MEASUREMENT RANGE	nD 1.3330–1.4419 0–60%Brix	nD 1.3330–1.5318 0–95% Brix	
MEASUREMENT ACCURACY	nD ±0.0005 ±0.35%Brix	nD ±0.0003 ±0.2%Brix	nD ±0.00015 ±0.1%Brix
RESOLUTION	nD 0.0001 0.1%Brix		
MEASUREMENT PERIOD	approx. 1 s		
MEASUREMENT PRISM	Optical glass		
LIGHT SOURCE	LED		
WAVELENGTH	589 nm		
TEMPERATURE COMPENSATION	10–40°C		
TEMPERATURE MEASUREMENT	With integrated temperature sensor Pt100		
TEMPERATURE MEASUREMENT RANGE	10–40°C		
TEMP. MEASUREMENT ACCURACY	±0.5°C		
TEMP. MEASUREMENT RESOLUTION	0.1°C		
HOUSING	Synthetic material, coated		
INTERFACES			Only USB
IP CODE	IP65	IP64	IP50
OPERATING VOLTAGE	1.5 V battery		9 V battery (mains adaptor incl.)
DIMENSIONS (W X H X D)	110 mm x 62 mm x 32 mm	130 mm x 80 mm x 40 mm	180 mm x 100 mm x 60 mm
WEIGHT	160 g	200 g	500 g