

## BR3812C



### Features

- .Max. Testing frequency 7.8kHz
- .Measuring parts type auto detect
- .Serial and parallel connection
- .Compact casing design



**BR3812C**

Technical Data		BR3812C			
Measuring range	L	100Hz 1kHz	1 μH~9999H 0.1 μH~999.9H	7.8kHz	0.01 μH~99.99H
	C	100Hz 1kHz	100pF~200mF 10pF~20mF	7.8kHz	0.5pF~2mF
	R	N/A	0.1mΩ~19.99MΩ		
	Q	N/A	0.01~999		
	D	N/A	0.01%~999%		
	Measuring accuracy	L	100Hz 1kHz 7.8kHz	±[1μH+0.5%(1+L/2000H+2mH/L)](1+1/Q) ±[0.1μH+0.5%(1+L/200H+0.2mH/L)](1+1/Q) ±[0.01μH+0.5%(1+L/10H+0.04mH/L)](1+1/Q)	
C		100Hz 1kHz 7.8kHz	±[1pF+0.5%(1+1000pF/Cx+Cx/1000μF)](1+Dx) ±[0.1pF+0.55%(1+100pF/Cx+Cx/100μF)](1+Dx) ±[0.01pF+0.5%(1+20pF/Cx+Cx/4μF)](1+Dx)		
R		N/A	±[1 MΩ+0.5%(1+R/ 2MΩ + 2 Ω/R)](1+Q)		
Q		100Hz, 1kHz	±[0.5+0.25(Qx+1/Qx)]%	7.8kHz	±[0.5+0.30(Qx+1/Qx)]%
D		100Hz, 1kHz	±0.010(1+Dx <sup>2</sup> )	7.8kHz	±0.015(1+Dx <sup>2</sup> )
Measuring signal level			0.4Vp-p±10% (no load)		
Measuring speed		200ms			
Working temperature and relative humidity		0°C~40°C, ≤85%RH			
Power supply		220V±10%, 50Hz±5%			
Dimensions (W×H×D)		330×100×310 mm <sup>3</sup>			
Weight		3.3kg			