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壱客


Note：Please multiply by $\sqrt{1+D^{\prime}}$ if $D$ exceeds 0.1
Formula to convert capacitance to impedance：$Z \mathrm{C}=1 / 2 \pi \mathrm{fC}$
Formula to convert inductance to impedance：$Z \mathrm{ZL}=2 \pi \mathrm{fL}$ $\qquad$
I．Overview
ModelLCR－4080Q LCR Meter is primarily designed to measure capacitance，inductance，
resistance，DC resistance and their associated quality factor，dissipation and phase

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Rp：Parallel mode of resistance
XP：Parallel mode of reactance
CP：Parallel mode of capacitanc
LP：Parallel mode of inductance




is expressed by $R+j X$ in rectangular coordinate or by the IZ（amplitude）and $\theta$（phase
angle）．Please see Figure 1 for details about the relationship． AC condition，the ratio of voltage to current is a complex．A impedance vector includes
a real part（Resistance：$R$ ）and imaginary part（Reactance：$X$ ），during which impedance
is expressed by $R+j X$ in rectangular coordinate or by the $|z|$（amplitude）and $\theta$（phase －tronic components and circuit system．When under DC condition，it is resistance meas
－ured between two ends of linear components，which can be defined by Ohm law．If under
AC condition，the ratio of voltage to current is a complex．A impedance vector includes
 The impedance is classified into DC and AC impedance based on measured signal．
Multimeters generally measures DC impedance，but LCR meters can measure both two
types of impedance．Model LCR－4080QLCR meter is equipped with both DC and AC impe






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 2．Data hold
Press＂HOLD＂button to freeze the data during measurement，and＂ $\mathbf{I}$＂displays．Press
again to exit and return to normal measurement． $10 \mathrm{k} \Omega$ ．The serial mode is selected if the impedance is less than $10 \mathrm{k} \Omega$ ． Under auto measurement mode，seria／parallel mode is determined based on the imped
－ance of tested object．The parallel mode is selected if the impedance is greater than
信
 Correspondence between Main and secondary parameter under auto mode：
Capacitance（C）－－－－－－Dissipation（D）；

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 Power off after about 5 minutes of idling
X. Quick Application
 Presss " USB" "utton again to toxt and stop the datat transer.
9. Backight















