

Cryogenic Current Comparator (CCC)

Specifications

CCC ratio accuracy	better than 1 in 10^9
CCC sensitivity	$\sim 20 \mu\text{AT}/\text{O}$
CCC current sensitivity	$2 \cdot 10^{-10} \text{ AT}^2/\text{Hz}$
CCC Ratios	100 Ω to QHR (i=2 and i=4) 1 to 1, 10 to 1, 100 to 1
Resistor range	1 Ω to 10 k Ω
Measurement resolution	typical 1 in 10^9 (except for 1 Ω , 10 k Ω and 100 to 1)
Selectable current ranges	100 μA to 30 mA full scale (max. voltage 10 V)
Compressor dimensions	W530mm, L580mm, H660mm, 119Kg