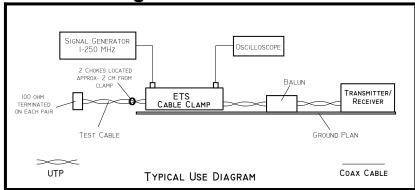
## **CC-100 Series**

## **Gigabit Ethernet Cable Tester**





Features/Advantages	Description	Applications
<ul> <li>Built to the IEEE         Standard 802.3         requirements as detailed         in annex 40B of the         1000BaseT standard</li> <li>Made in USA.</li> <li>100% QA</li> </ul>	The Energy Transformation Systems, Inc. Cable Clamp (CC-101/CC-102/CC-109) are used in the common-mode test of the IEEE Standard 40.6.1.3.3, which is used to determine the sensitivity of the 1000BASE-T or 10GBASE-T receiver to common-noise from the link segment. This specification is provided to limit the sensitivity of the PMA receiver to common-mode noise from the cabling system. Common-mode noise generally results when the cabling system is subjected to electromagnetic fields. The Cable Clamps inject common-mode signals into a cabling system.	Test CAT5, CAT6A and CAT7 cable for common-mode noise rejection test of section IEEE Standard 40.6.1.3.3
	The Cable Clamps have a copper center conductor surrounded with high density polyethylene dielectric and an aluminum outer case which acts as a conductor.	
	The <b>CC-102/109</b> allows testing of CAT6A and CAT7 cables. The <b>CC-109</b> has 4 spring latches for quick and easy test set ups. Use of 6 bolts is optional. All units can test 1 – 10 Gigabits. <b>NOTE:</b> A hand allen wrench is included with the CC-101 & CC-102. Hand-tighten ONLY to prevent damage to the unit.	

Specifications		Product Ordering Information	
Bandwidth Insert Loss	1 MHz to 250 MHz < 0.2 dB	CC-101 CC-102	Cable Clamp – 1/4" cable aperture Cable Clamp – 3/8" cable aperture
Return Loss	> 20 dB	CC-109	Cable Clamp – 3/8" cable aperture with 4 spring latches
Connectors	Input - 50 ohm FBNC		
	Output - 50 ohm FBNC (requires 1% 50 ohm load)	CC-103	Ground Plane – aluminum 0.125" thick
Dimensions	CC-101 - 300 mm (11.7") x 58 mm (2.2") x 66 mm		12" x 30"
	(2.1") (ht)		
	CC-102/CC109 - 300 mm (11.7") x 75 mm (2.9") x 78		
	mm (2.6") (ht)		
Weight	2.20 Kg (CC-101), 3.20 Kg (CC-102), 3.36Kg (CC-109)		

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