

CK1/CK5 Three Phase Current Transformer Converters

The high accuracy **CK1** and **CK5 Three Phase Current Transformer (CT) Converters** are intended for use in substations and other similar locations where the standard 1A or 5A CT outputs are available. The CK1/CK5 transform the 1A or 5A secondary currents from CTs to 200mA signals, suitable for direct connection to the current input channels of CHK Power Quality instruments.



Figure 1: CK1/CK5 three phase current transformer converter

CK1/CK5 connections to metering CTs

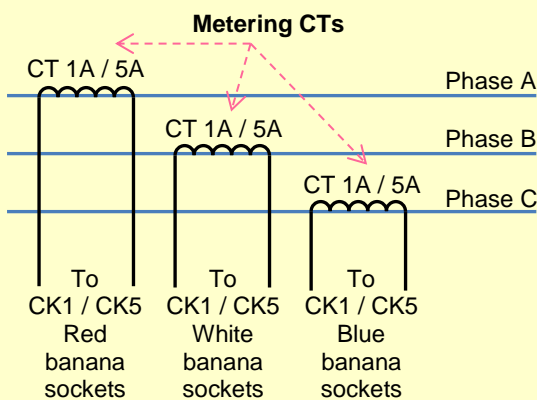


Figure 2: CK1/CK5 connections to metering CTs

Input connections to the CK1/CK5 are made via banana sockets. Remove shorting links from the CT secondary after connection.

Connection to a MIRRIN or MIRO

The CK1/CK5 is an accessory to be used with the MIRO PQ35 or the MIRRIN Load Logger. The three output leads from the CK1/CK5 are plugged into current channels A, B and C of the MIRRIN or MIRO. The neutral (N) channel of the MIRRIN or MIRO is not connected.

The CK1/CK5 incorporate internal protection, enabling the output leads to be disconnected from the burden (instrument) without damage.



Figure 3: CK1/CK5 connection to the MIRRIN

Part number	To be used with
1ACK1	MIRO PQ35 Power Quality Logger and Analyser
1ACK5	MIRRIN load logger

Table2: Instrument accessories

Specifications

Rated input current	1A (CK1); 5A (CK5)
Rated output current	200mA
Rated Burden	2.2 Ohms
Accuracy class	0.5M, AS1675
Frequency range	40Hz - 5kHz
Enclosure (W x L x D) w glands and sockets	(140 x 230 x 100) mm
Input Connections	Red, White and Blue banana sockets
Output Connections	Colour coded leads
Lead length / Weight	1.8m / 4.5kg
Enclosure	Light grey polycarbonate