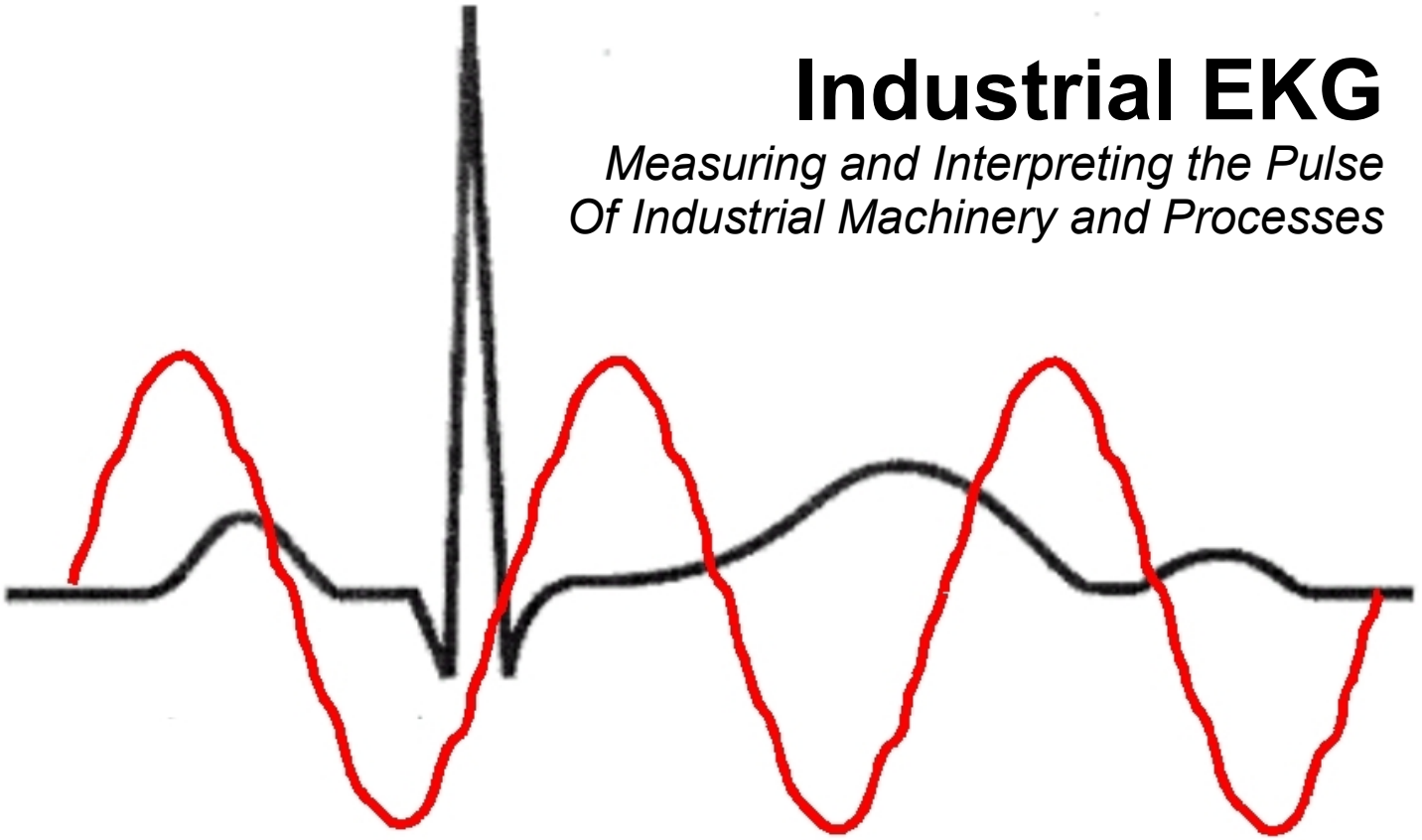
Products - Overview



What We Do

We help you reduce energy and operating costs by using EKGs to monitor the health of industrial equipment instead of people, like industrial cardiologists.

Our uniqueness:

- we don't need sensors on the monitored machines, no cables to install;
- an experience database of tens of thousands of motors to compare your equipment against;
- multiple monitors in one product – energy efficiency & consumption, power line condition, electrical and mechanical motor condition; and mechanical condition of driven equipment;
- we *directly* measure how even mechanical faults like unbalance, misalignment,and loose connections waste energy dollars, making ROI calculation fast, easy, clear and unambiguous.

Products

Core Instruments

Software

Accessories

Kits

Core Instruments

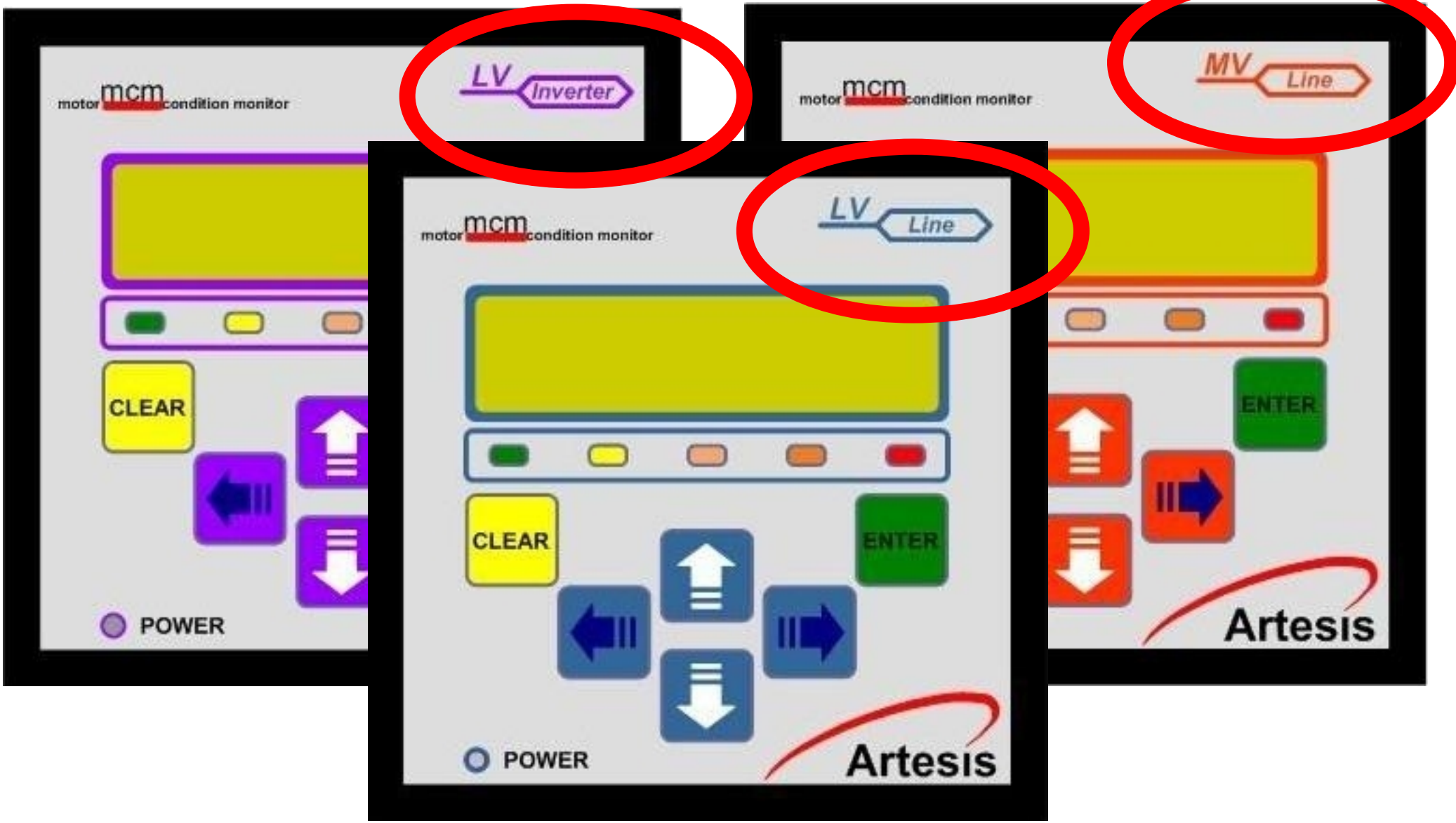
MCM – for motors

PCM – for generators

Core Instruments

www.artesis.com/products/MCM

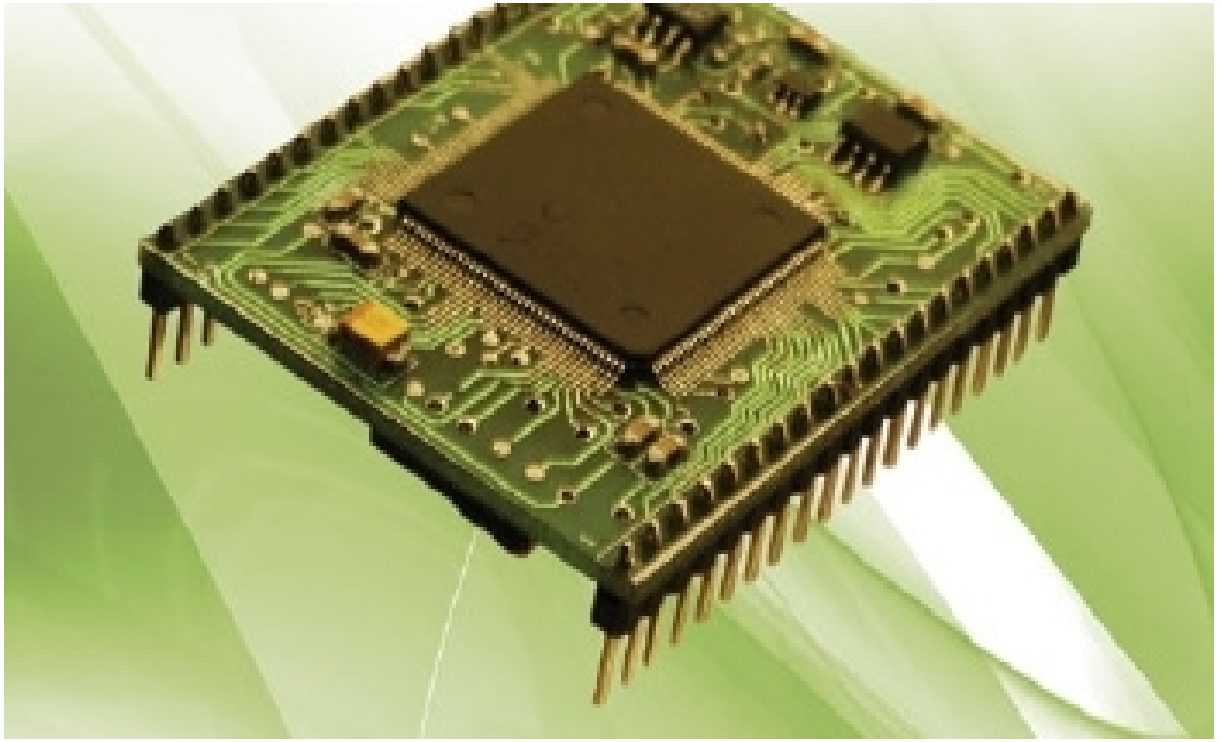
Core Instruments



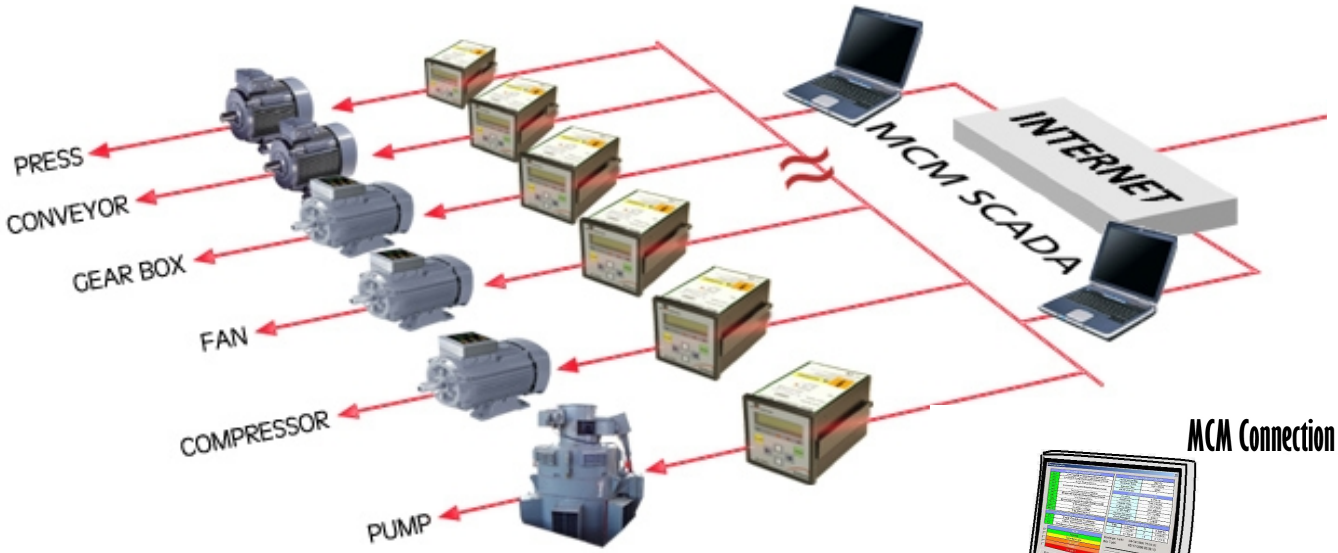
Core Instruments

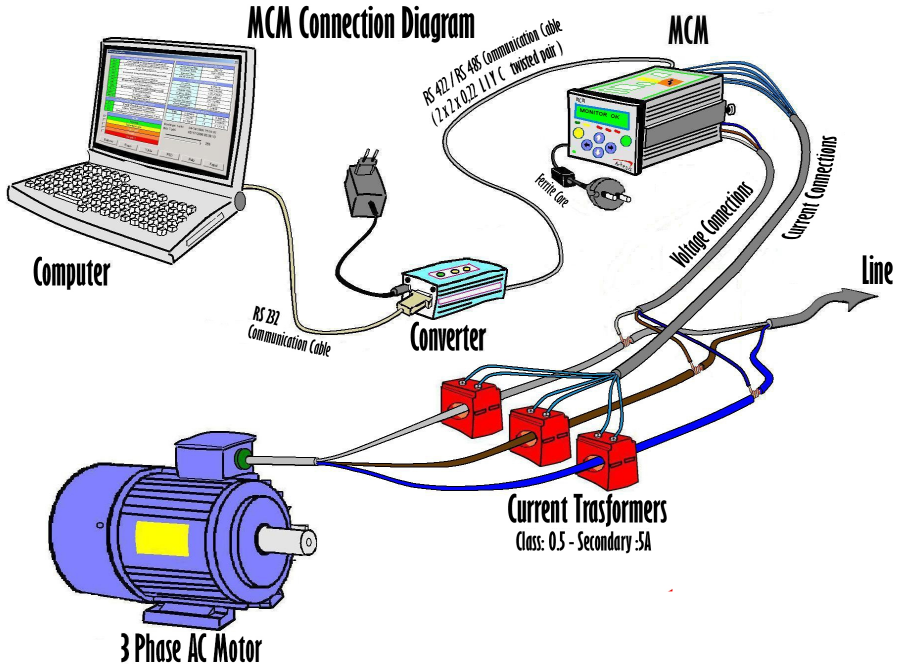
www.artesis.com/products/OEM

40-pin PCB 40mm x 50mm

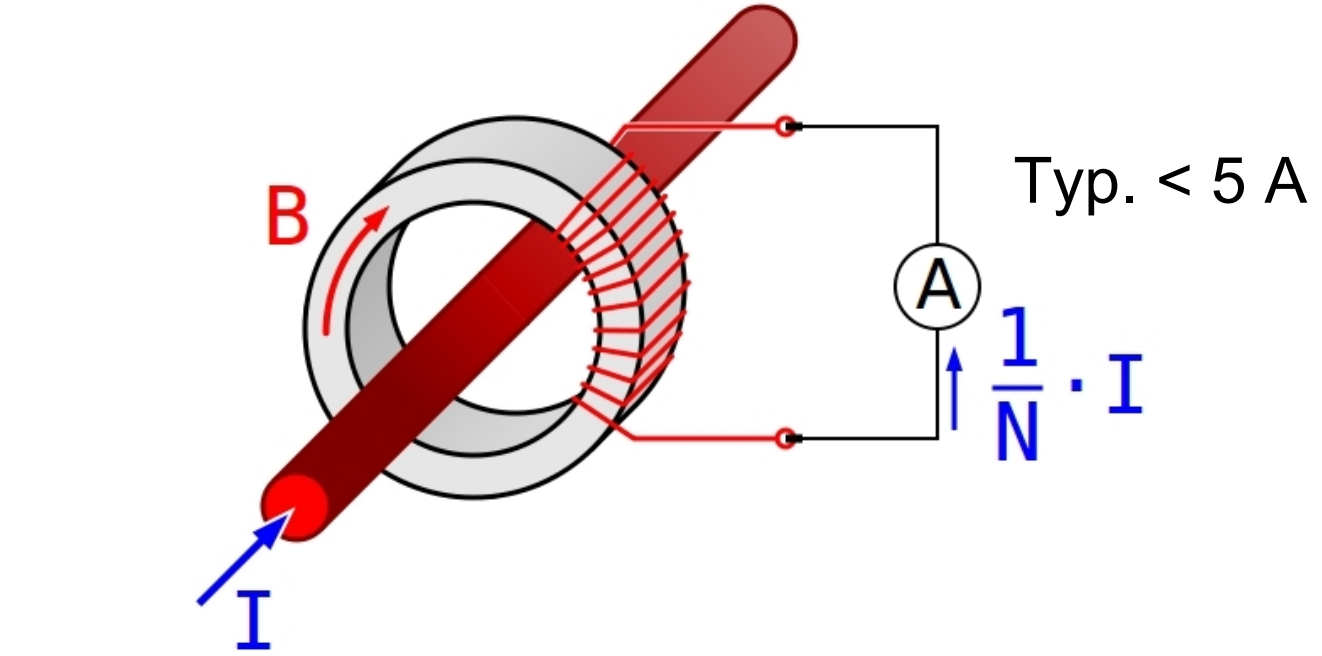


Hardware Accessories

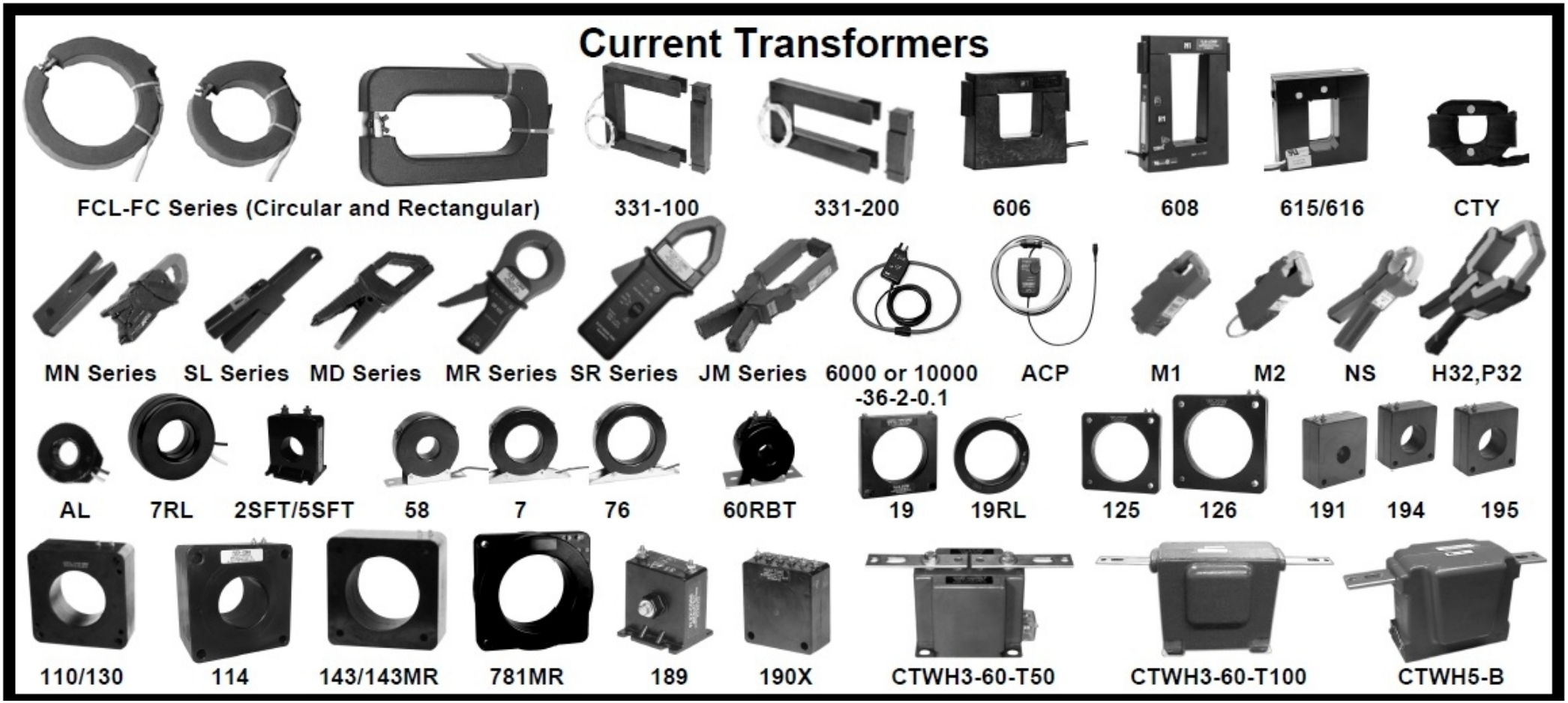




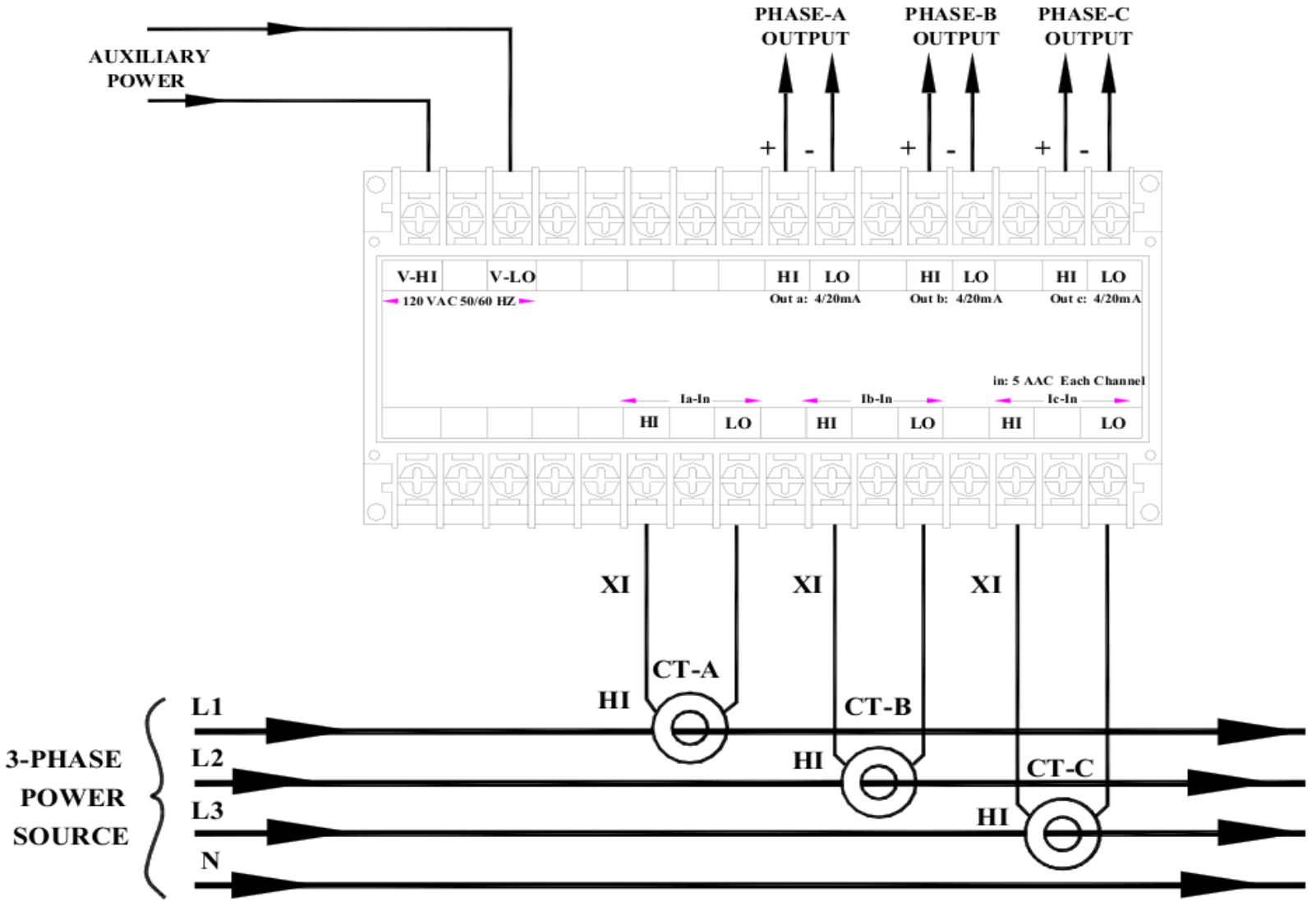
Current Transformers



Common CTs

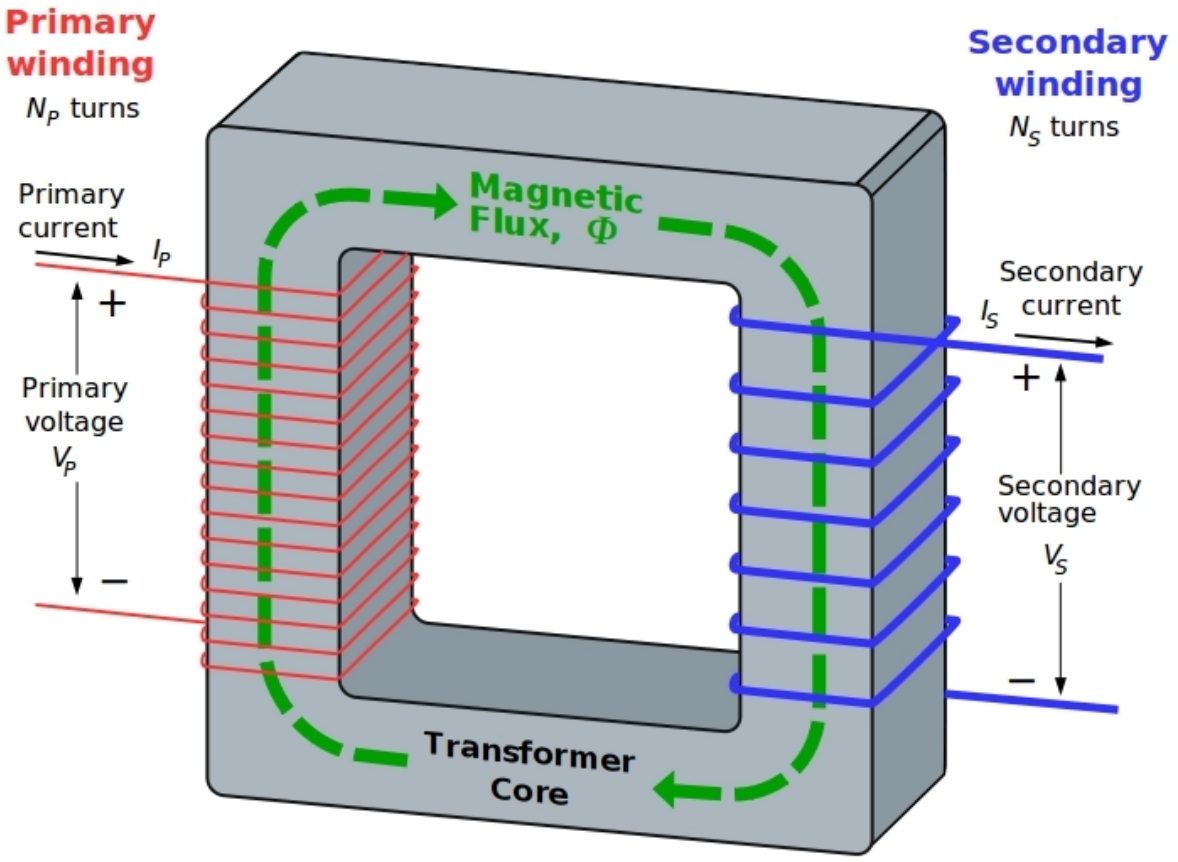


Special CTs for Inverter Drives



Potential (Voltage) Xformers

Motor Side
Typ
> 500 V



Instrument
Side
Typ 120 V

Common PTs

Sizes from

75L x 75W x 100H

To

280L x 335W x 360H

(mm)

Accessories – Converter

<u>MCM-to-TCP/IP</u>

Serial-to-Serial

Serial-to-Ethernet

Other (Custom)

To PC or Plant Network

From MCM, RS422 Serial 4-wire + Gnd

Accessories – Software

MCMConfig

MCMScada

Database, trending, diagnosis, email alerts...

Database Tools

Custom

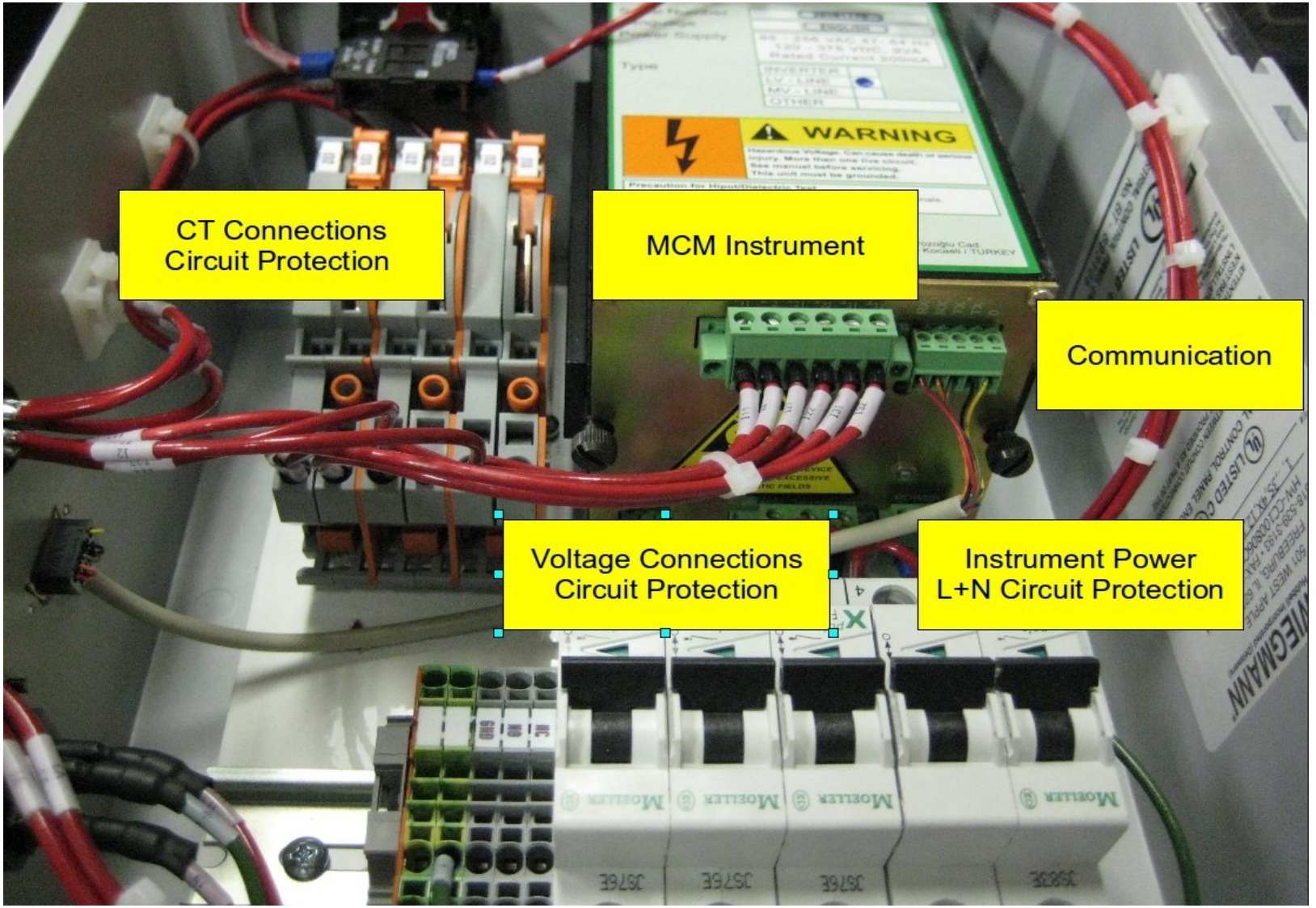
Commercial

Kits

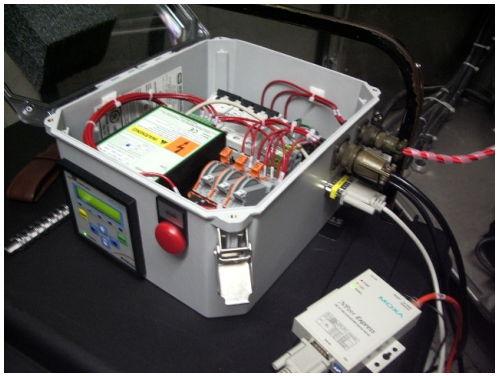
- Portable Kit (for Reps and short term testing)
- Installer's Kit
- First System
- Site Expansion

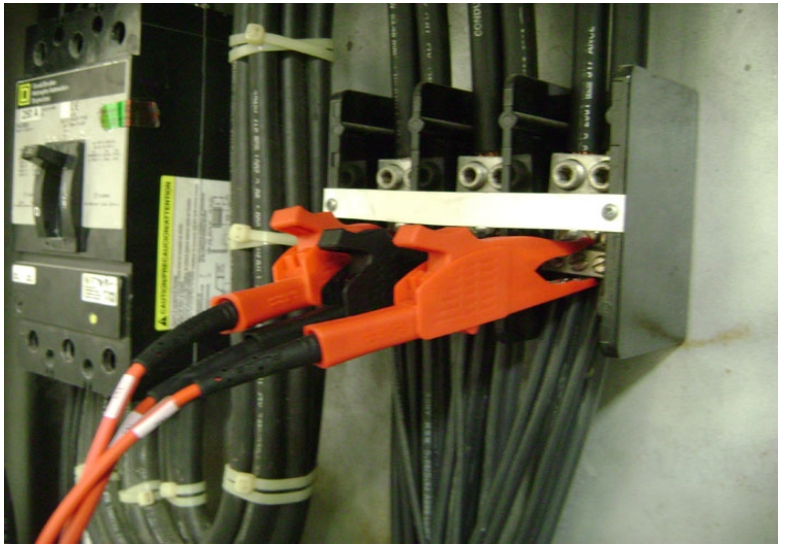
Rep / Portable Kit

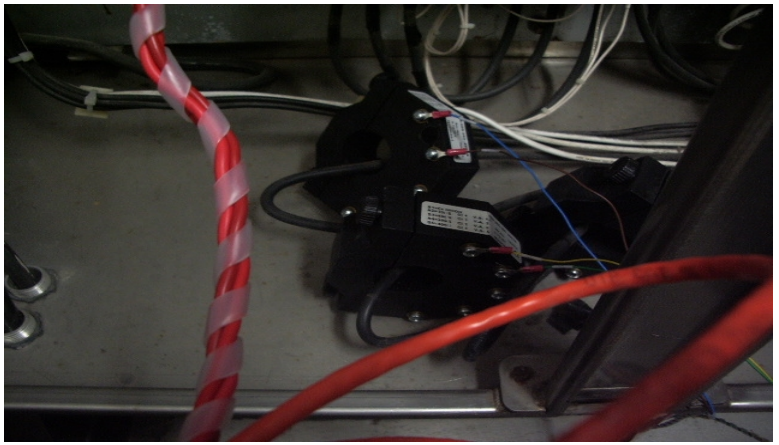
A Typical System...



...in temporary use on a 480V Motor

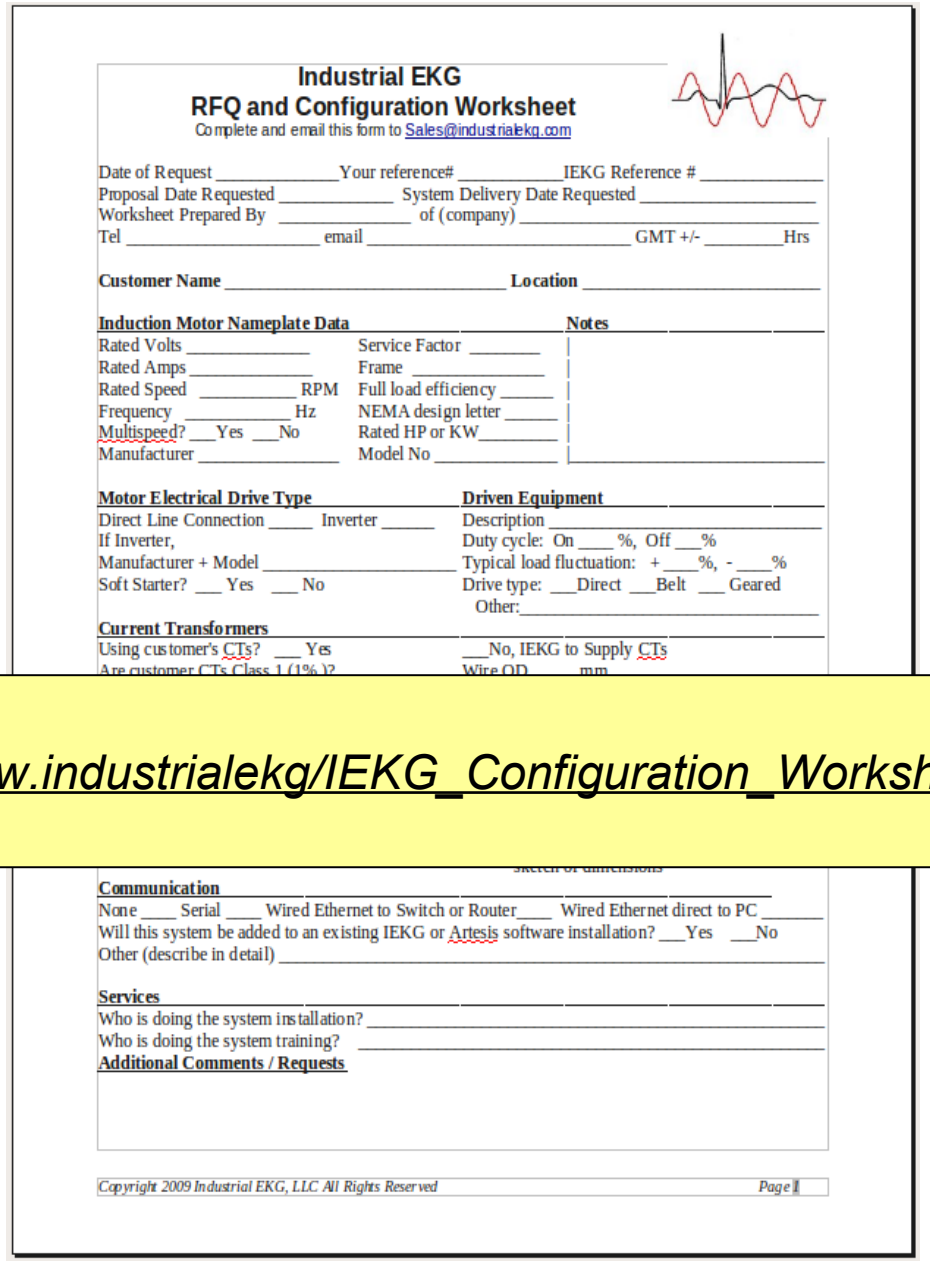






Request a Quotation

Complete the Configuration Questionnaire



Industrial EKG
RFQ and Configuration Worksheet
Complete and email this form to Sales@industrialekg.com

Date of Request _____ Your reference# _____ IEKG Reference # _____
Proposal Date Requested _____ System Delivery Date Requested _____
Worksheet Prepared By _____ of (company) _____
Tel _____ email _____ GMT +/- _____Hrs

Customer Name _____ **Location** _____

Induction Motor Nameplate Data — **Notes**

Rated Volts _____	Service Factor _____	|
Rated Amps _____	Frame _____	|
Rated Speed _____ RPM	Full load efficiency _____	|
Frequency _____ Hz	NEMA design letter _____	|
Multispeed? ___Yes ___No	Rated HP or KW_____	|
Manufacturer _____	Model No _____	|_____

Motor Electrical Drive Type — **Driven Equipment**

Direct Line Connection _____ Inverter _____	Description _____
If Inverter,	Duty cycle: On ____ %, Off ___%
Manufacturer + Model _____	Typical load fluctuation: +____%, - ____%
Soft Starter? ___ Yes ___ No	Drive type: ___Direct ___Belt ___ Geared
	Other:_____

Current Transformers
Using customer's CTs? ___Yes ___No, IEKG to Supply CTs
Are customer CTs Class 1 (1%)? Wire OD _____ mm

Communication
None ____ Serial ____ Wired Ethernet to Switch or Router____ Wired Ethernet direct to PC _____
Will this system be added to an existing IEKG or Artesis software installation? ___Yes ___No
Other (describe in detail) _____

Services
Who is doing the system installation? _____
Who is doing the system training? _____
Additional Comments / Requests

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www.industrialekg/IEKG_Configuration_Worksheet .pdf

Questions?

Info@industrialekg.com