Addendum

This addendum is an essential part of the following documents:
Series PM130 PLUS/PM135 Powermeters Installation and Operation Manuals – BG0425 for PM130P/ PM130E/ PM130EH PLUS devices, BG0518 for PM135P/ PM135E/ PM135EH devices.

Specification change:
PM13x series external CT making easier any installation. This option includes:

1. PM13xP/E/EH PLUS – HACS: 40mA (100-1200A)
2. PM13xP/E/EH PLUS – RS5: 2.5mA

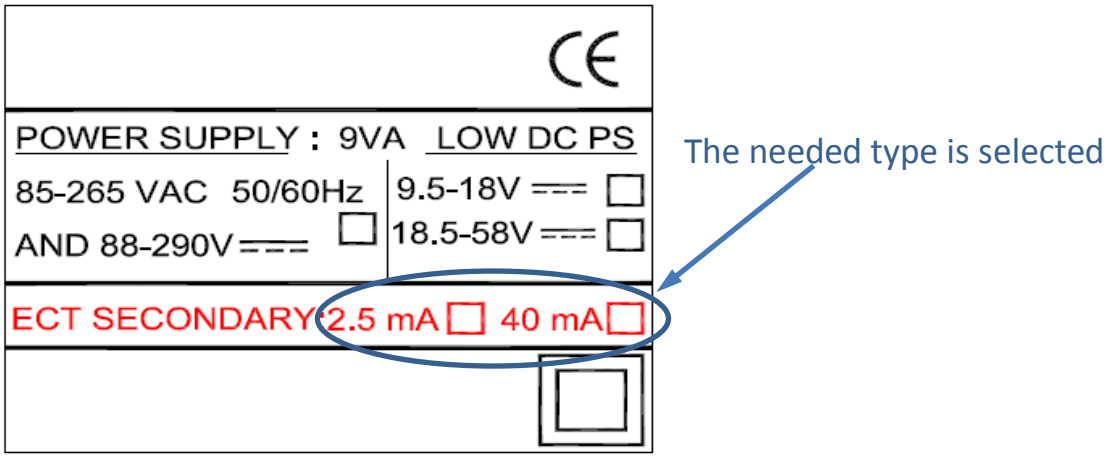
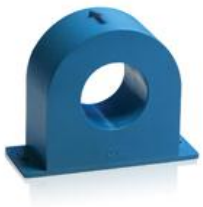


Figure 1: External CT secondary current rating Label

Table 1: PM13x series HACS & RS5:

ORDER STRING (Catalog no.)	CS05S / RS5 (HX0140)	CS1 (EL0072)	CS1L (EL0115)	CS1S (HX0118/HX0129)
				
RATING	10A	100A	100A	100A
WINDOW	∅ 16mm / 0.62”	∅ 12mm / 0.47”	∅ 23mm / 0.9”	∅ 16mm / 0.63”
CORE	Split	Solid	Solid	Split
ACCURACY	0.5%	0.1%	0.1%	0.5%
BURDEN	0.2 VA	0.2 VA	0.2 VA	0.2 VA
APPROX. WEIGHT	98.2g / 0.22 lbs	156.4g / 0.34 lbs	206.3g / 0.45 lbs	103.4g / 0.23 lbs

ORDER STRING (Catalog no.)	CS2S (HX0143)	CS4 (EL0117)	CS4S (HX0139)	CS8 (EL0125)
				
RATING	200A	400A	400A	800A
WINDOW	43.2x33mm / 1.7x1.3”	∅ 26mm / 1.02”	43.2x33mm / 1.7x1.3”	100x32mm / 4x1.28”
ACCURACY	0.5%	0.1%	0.5%	0.1%
CORE	Split	Solid	Split	Solid
BURDEN	0.2 VA	0.2 VA	0.2 VA	0.2 VA
APPROX. WEIGHT	460g / 1lbs	214g / 0.47 lbs	460g / 1lbs	525g / 1.16lbs

ORDER STRING (Catalog no.)	CS8S (HX0138)	CS12S (HX0137)
		
RATING	800A	1200A
WINDOW	50x80mm / 1.9x3.1”	121x80mm / 4.7x3.1”
ACCURACY	0.5%	0.5%
CORE	Split	Split
BURDEN	0.2 VA	0.2 VA
APPROX. WEIGHT	1.0kg / 2.2 lbs	1.5kg / 3.3 lbs

Technical Specifications

Frequency	50/60Hz
Lead Insulation	600V AC
Core Insulation	4000V AC
Lead Length	2.5m / 8.2ft (UL1015)
Operation Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Standards Compliance	IEC 60044-1
Material	All materials are UL approved

The installation diagrams are shown on the Fig.2 & Fig.3.

PM13x series HACS and RS5 (split core CT) connection diagram

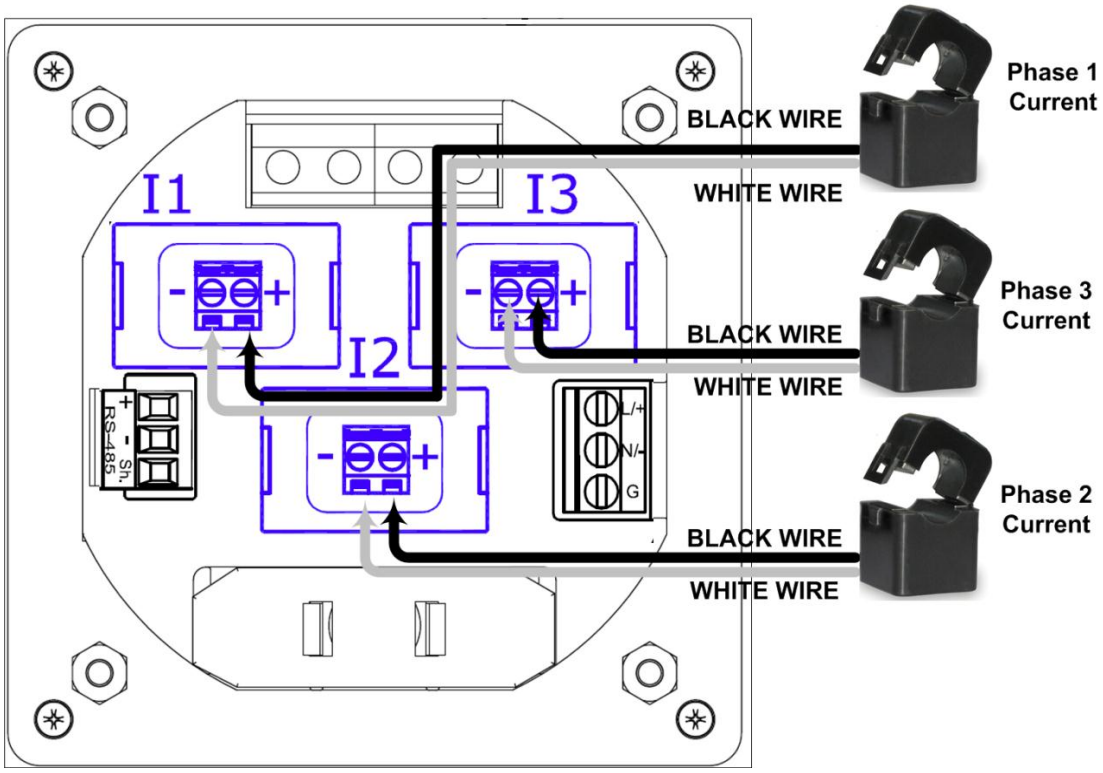


Figure 2: HACS or RS5 (solid core CT) connection diagram.

PM13x series HACS (solid core CT) connection diagram

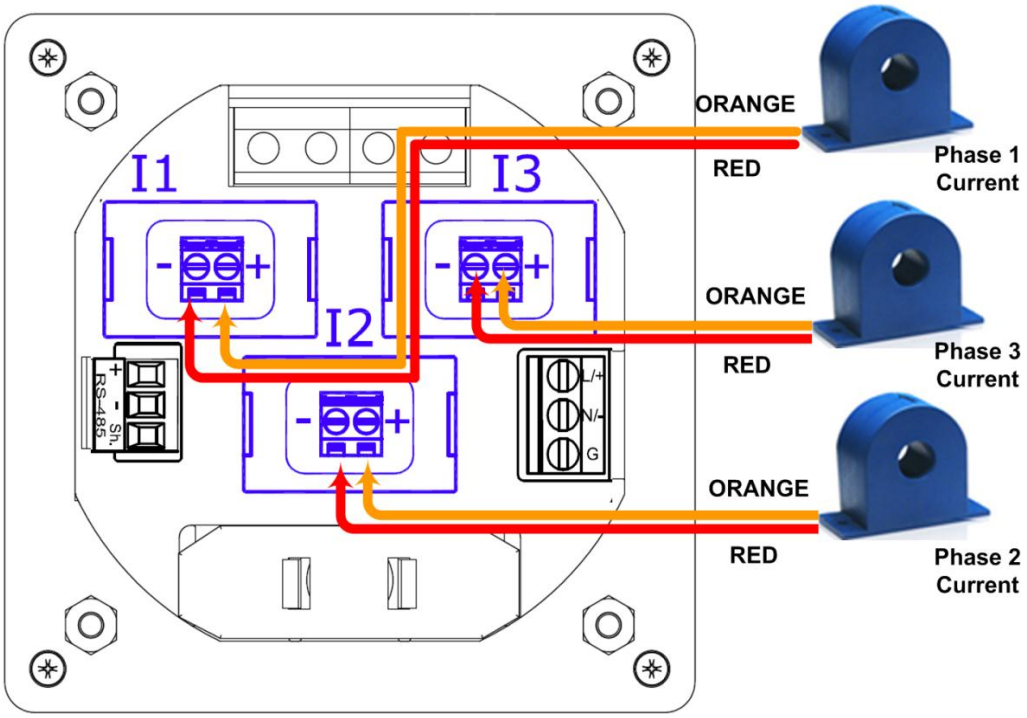


Figure 3: HACS Solid CT connection

Set CT Primary Current value to the nominal value of the used HACS (solid or split core CT)

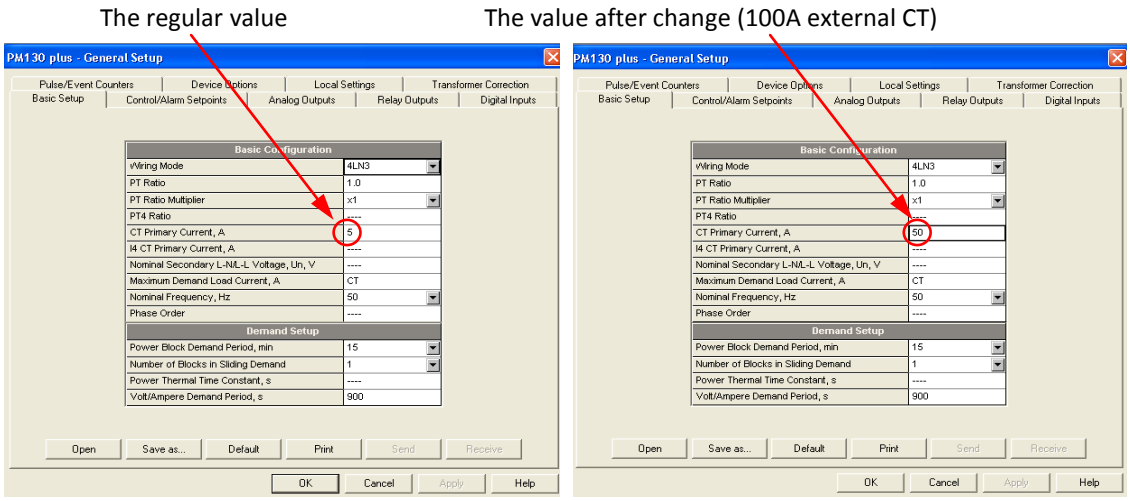
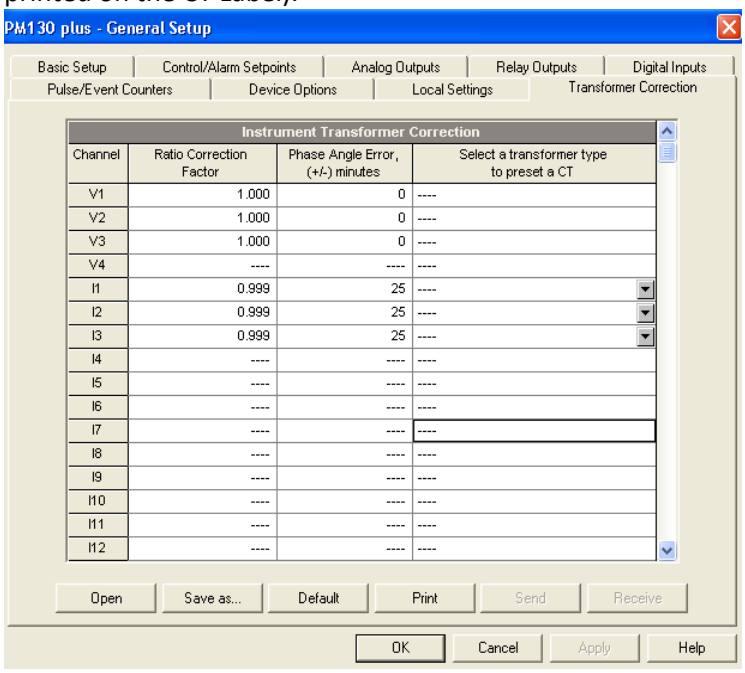


Figure 4: In device General Setup (PAS Software) "CT Primary Current" should be modified with the nominal value of the used CT (the ilustrated case is In=50A for 100A external CT).

Where: In = 1/2 Imax (RATING).

In case of split core CTs set transformer correction values according to CT specifications (as printed on the CT Label).



The illustrated example is for the following values[1] of transformer correction, printed on the package of the CT:

RATIO = 0.999
PHASE = 25

[1] If values are missing, contact support to get transformer correction values specifying CT manufacture Date Code (DC xxxx)