



CURRENT CLAMPS

MEASURING DIVISION

1.- New family of current clamps

The new family of current clamps will substitute the present one. The reasons for this improvement are the better characteristics of these new current clamps, the range of measurement will be the same and the accuracy (linearity, angle and frequency response) will be better, besides the new current clamps have a lower cost for us.

We'll have two types of current clamps that are different only in the connector:

1.- Current clamps for AR5

2.- Current clamps for AR5L and C80 (these clamps offer the automatic recognition system of the clamp in the portable analyzer)

First of all we'll finish the existing stock of present current clamps (the references for the new clamps will be the same that we are using now) and then we'll deliver the new ones (also in different colours per phase):

1.1.- CP-5 (5 A / 2V)



REF. AR5 771369
REF. AR5-L/C80 771525

1.2.- CP-100 (100 A / 2V)



REF. AR5 771367
REF. AR5-L/C80 771524

1.3.- CPR-500 (500 A / 2V)



REF. AR5 771365
REF. AR5-L/C80 771523

1.4.- CPR-1000 (1000 A / 2V)



REF. AR5 771363
REF. AR5-L/C80 771522

1.5.- CP-2000/200 (200-2000 A / 2V)

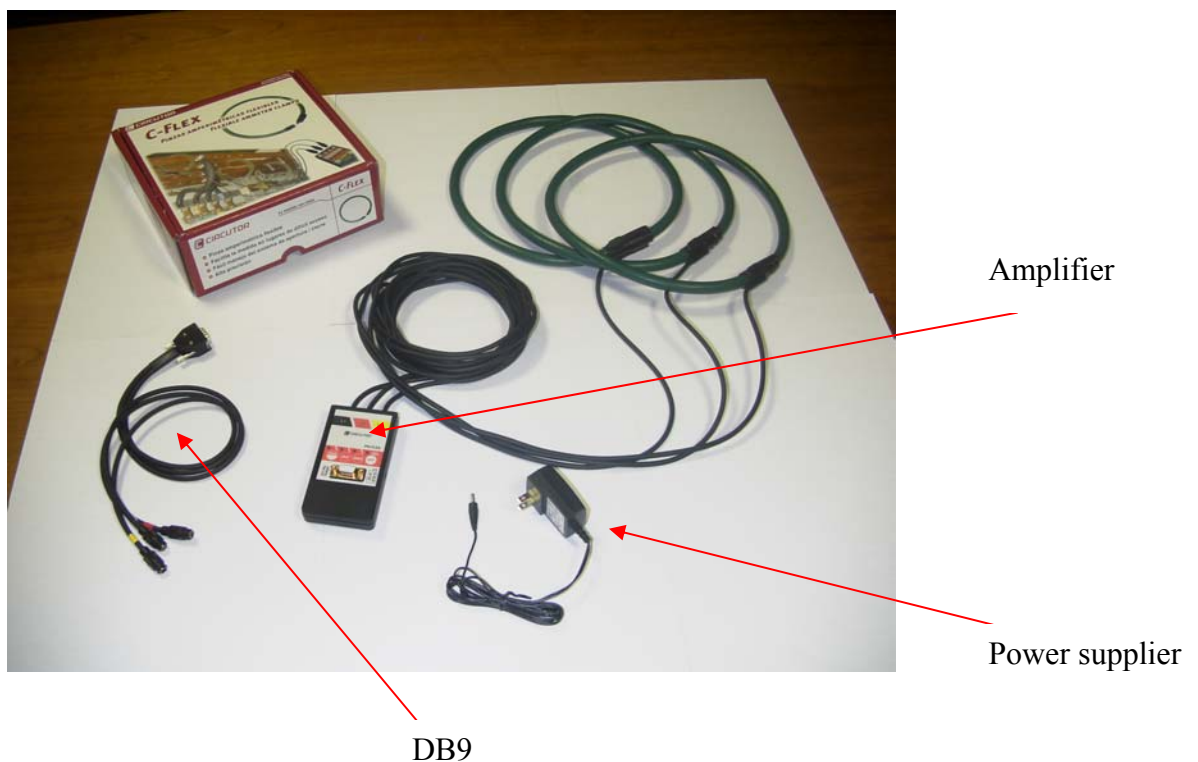


REF. AR5 771361
REF. AR5-L/C80 771521

2.- Flexible current clamps

2.1.- Flexible current clamps for AR5

Regarding the flexible current clamps for AR5, there have been some improvements according to the suggestions of our customers, so what is delivered now is that you can see in the photographs. Those improvements don't affect the way of working of the current clamps, it will be the same. By one side, with the new amplifier that we are using for the flexible current clamps, it's not needed to connect each current clamp to the amplifier because the wires that connect the clamps to the amplifier are inserted in its case. By the other side, there is a new power supplier much smaller and without the option of changing the output voltage or the polarity, so the connection and the use of this new power supplier is much easier.

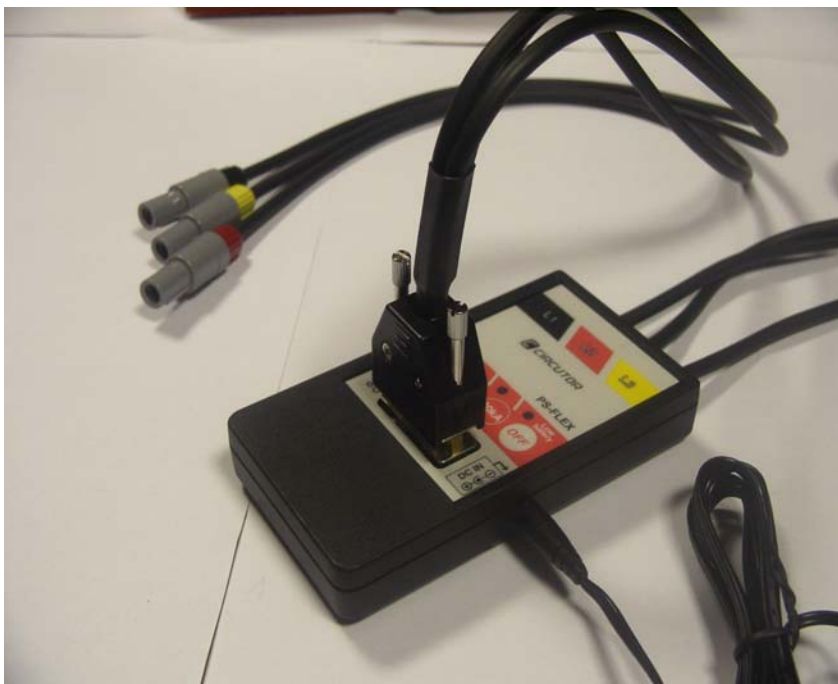


REF. AR5

771381 (45cm) / 771382 (80cm) / 771383 (120cm)

2.2.- Flexible current clamps for AR5L

In the AR5L's case, it's exactly the same but changing the DB9 module that allows to connect the current clamps to the analyzer. The only difference between the AR5's and AR5L's current clamps is the connector in the DB9 module.



REF. AR5-L

771514 (45cm) / 771515 (80cm) / 771516 (120cm)

2.3.- Flexible current clamps for C80

In the C80's case only one current clamp is needed. That current clamp is connected directly to the C80 instead of using an amplifier as in AR5 or AR5L, and allows the automatic recognition of the clamp. We cannot use AR5 or AR5L's current clamps in C80.



REF. C80

771721 (45cm) / 771722 (80cm) / 771723 (120cm)

3.- Earth leakage current clamp



This is the earth leakage current clamp that we are delivering now for AR5L and C80:

Analyzer	Minimum current	Maximum current
C80	10 mA	5 A
AR5L	20 mA	5 A

Using AR5L we can measure a minimum current of 20mA with this clamp, and a minimum of 10mA with C80. When the stock of this clamp that we have used with AR5L and C80 is finished we'll start delivering this new one, very similar to the new CPR-1000 model. The range of measurement is the same that for the old one.



New earth leakage current clamp

REF. AR5-L/C80

771575