

Introduction

In 2003 a new 4 French pressure volume conductance catheter was developed and tested in the US and Europe. The catheter performed very favorably and was recommended for inclusion in the CD Leycom product range. In November 2003, CD Leycom added the 4 French catheters to its product line.

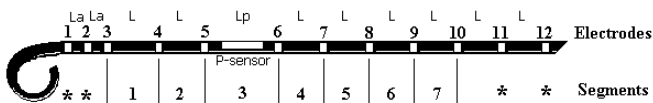
This catheter has **FDA-** and **CE-approval**.

This sheet presents general information on the selection of catheters and specific information for the use of the 4-French catheter.

Standard Conductance catheters

To simplify the selection of a conductance catheter, CD Leycom has devised a 'Standard Conductance Catheters' scheme.

The 'Standard Conductance Catheter' comprises 12 electrodes and 1 pressure sensor in the configuration shown below:



All L and Lp values are equal (except for the 4 Fr. catheter); L is dependent on the length of the long axis of the ventricle in which one wants to measure volume. For catheters with a pigtail, La is as small as possible (3 mm), and independent of L. The following scheme can be used as a guide to the selection of catheters:

For human application:

Size	French Size	Electrode spacing L	Measure length cath (mm)
Large (e.g. North-America, Europe)	Fr 7	10	66 – 86
Medium (e.g. Japan)	Fr 7	8	56 – 72
Small (children)	Fr 4	6	48 – 60

4 Fr catheter specifics

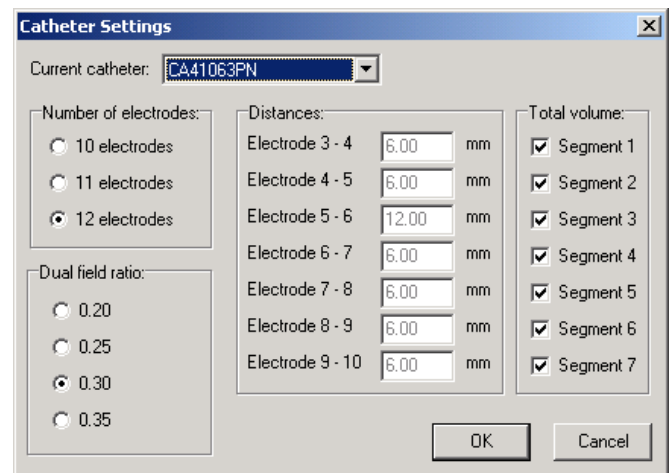
Because of the size of the solid-state pressure sensor, located between electrode 5 and 6 (Lp), it was necessary to extend the length of segment 3 from 6 to 12 mm. to accommodate this.

For the correct calculation of volume using the 4 French catheter, the correct inter-electrode spacing has

to be entered in the dialogue box 'Catheter Settings' in the Conduct NT program.

Select 'Catheter' in the 'Settings' menu. Select the type number for the 4-French catheter in the Current catheter list. Check to see that the spacing between electrode 5 and 6 is 12 mm and that all others are 6 mm.

If the 4-French catheter type number it is not available in the list then Select 'User defined' and enter the electrode spacing manually.



Catheter info

Type number and description of the 4 French catheter:

CA-41063-PN CD Leycom Pressure/Volume Catheter:

- 4Fr, 12 electrodes, 6 mm spacing. 1 pressure sensor between electrodes 5 and 6 with pigtail, no lumen

Feel free to contact CD Leycom for the latest news.



If you have any questions or comments, please contact us
by phone +31-79 -360 1780
by fax +31-79 -362 1743
or by E-mail

support@cdleycom.com

or through our website at

www.cdleycom.com

Our address is: CD Leycom
Argonstraat 116
2718 SP Zoetermeer
The Netherlands