











Planmeca Viso G3 and Planmeca Viso G5 DAP values

1. 2D programs






1.1. Panoramic program with SmartPan

Program	Factory programmed values, SmartPan									
	 XS		 S		 M		 L		 XL	
	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
Standard pan	64 110	59	66 125	81	68 140	99	70 160	117	72 180	138

1.2. Bitewing panoramic program with SmartPan






Program	Factory programmed values, SmartPan									
	 XS		 S		 M		 L		 XL	
	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
Standard pan	64 110	37	66 125	52	68 140	62	70 160	66	72 180	70

1.3. ProCeph cephalostat

Program	Factory programmed values									
	 XS		 S		 M		 L		 XL	
	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
Lateral 24x21 cm (24x18 cm)	62 4	17	64 5	25	66 6,3	33	68 8	49	70 10	63
Lateral 30x25 cm	62 4	30	64 5	38	66 6,3	49	68 8	74	70 10	95
PA 24x21 cm (24x18 cm)	72 8	47	74 10	72	76 12,5	94	78 16	130	80 20	168
PA 24x25 cm	72 8	64	74 10	83	76 12,5	108	78 16	150	80 20	194
Hand	60 1,6	10	60 1,6	10	60 1,6	10	60 1,6	10	60 1,6	10

(XS size)






1.4. 2D view

Program	Factory programmed values									
										
	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
Lateral & PA 11.6x11.6 cm	120 2,1	39	120 2,7	50	120 3,3	61	120 4,2	77	120 5,4	96






2. 3D programs

2.1. Tooth program

Default size Ø50 x 50 mm. Filtering 0.5 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
450 µm	90 56	149	90 63	167	100 50	184	110 45	219	120 40	246
300 µm	90 71	189	90 80	212	100 63	233	110 56	273	120 50	307
150 µm	90 110	291	90 125	331	100 100	368	110 90	437	120 80	490
75 µm	90 160	420	90 160	420	100 160	582	110 140	672	120 125	758
ULD										
450 µm	90 14	42	90 16	47	100 12.5	52	110 11	60	120 10	69
300 µm	90 18	53	90 20	59	100 16	66	110 14	76	120 12.5	85
150 µm	90 28	82	90 32	93	100 25	102	110 22	118	120 20	137
75 µm	90 45	129	90 50	143	100 40	160	110 36	190	120 32	213






Default size Ø50 x 50 mm. Filtering 0.2 mm Cu.

Program	Factory programmed values									
										
Resolution	kV	DAP	kV	DAP	kV	DAP	kV	DAP	kV	DAP

	mAs	mGycm2	mAs	mGycm2	mAs	mGycm2	mAs	mGycm2	mAs	mGycm2
450 µm	90 28	200	90 32	228	100 25	233	110 22	259	120 20	285
300 µm	90 36	256	90 40	284	100 32	297	110 28	328	120 25	356
150 µm	90 56	395	90 63	444	100 50	460	110 45	523	120 40	565
75 µm	90 90	626	90 100	695	100 80	725	110 71	813	120 63	876
ULD										
450 µm	90 14	38	90 16	43	100 12.5	47	110 11	55	120 10	63
300 µm	90 18	49	90 20	55	100 16	61	110 14	69	120 12.5	78
150 µm	90 28	77	90 32	87	100 25	95	110 22	109	120 20	126
75 µm	90 45	122	90 50	134	100 40	149	110 36	177	120 32	199






2.2. Teeth program

Default size Ø90 x 90 mm. Filtering 0.5 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
450 µm	90 56	423	90 63	475	100 50	524	110 45	623	120 40	699
300 µm	90 71	537	90 80	603	100 63	662	110 56	776	120 50	874
150 µm	90 110	828	90 125	940	100 100	1046	110 90	1242	120 80	1393
ULD										
450 µm	90 14	108	90 16	123	100 12.5	144	110 11	156	120 10	179
300 µm	90 18	140	90 20	155	100 16	284	110 14	198	120 12.5	223
150 µm	90 28	217	90 32	249	100 25	286	110 22	311	120 20	359






Default size Ø90 x 90 mm. Filtering 0.2 mm Cu

Program	Factory programmed values
---------	---------------------------






	 XS		 S		 M		 L		 XL	
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
450 µm	90 28	556	90 32	633	100 25	647	110 22	719	120 20	793
300 µm	90 36	714	90 40	792	100 32	827	110 28	914	120 25	991
150 µm	90 56	1104	90 63	1239	100 50	1284	110 45	1460	120 40	1579
ULD										
450 µm	90 14	116	90 16	132	100 12.5	144	110 11	167	120 10	191
300 µm	90 18	149	90 20	165	100 16	184	110 14	211	120 12.5	238
150 µm	90 28	229	90 32	261	100 25	286	110 22	331	120 20	383

2.3. Jaw program

Default size Ø140 x 100 mm. Filtering 0.5 mm Cu.

Program	Factory programmed values									
	 XS		 S		 M		 L		 XL	
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 32	171	90 36	192	100 28	208	110 25	247	120 22	273
450 µm	90 56	295	90 63	331	100 50	366	110 45	435	120 40	488
300 µm	90 71	373	90 80	419	100 63	459	110 56	539	120 50	607
150 µm	90 110	572	90 125	649	100 100	722	110 90	858	120 80	962
ULD										
600 µm	90 8	43	90 9	48	100 7,1	53	110 6,3	63	120 5,6	69
450 µm	90 14	75	90 16	85	100 12.5	93	110 11	108	120 10	124
300 µm	90 18	96	90 20	106	100 16	119	110 14	137	120 12.5	155
150 µm	90 28	149	90 32	170	100 25	185	110 22	215	120 20	247






Default size Ø140 x 100 mm. Filtering 0.2 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 16	228	90 18	257	100 14	258	110 12,5	292	120 11	313
450 µm	90 28	398	90 32	453	100 25	461	110 22	514	120 20	566
300 µm	90 36	506	90 40	561	100 32	586	110 28	649	120 25	708
150 µm	90 56	780	90 63	875	100 50	907	110 45	1032	120 40	1113
ULD										
600 µm	90 8	46	90 9	53	100 7,1	58	110 6,3	68	120 5,6	75
450 µm	90 14	81	90 16	93	100 12.5	101	110 11	117	120 10	135
300 µm	90 18	104	90 20	116	100 16	129	110 14	149	120 12.5	168
150 µm	90 28	162	90 32	185	100 25	201	110 22	234	120 20	268

2.4. Face program






Only in Planmeca Viso G5

Default size Ø160 x 160 mm. Filtering 0.5 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 32	365	90 36	409	100 28	444	110 25	527	120 22	582
450 µm	90 56	634	90 63	711	100 50	786	110 45	935	120 40	1049
300 µm	90 71	800	90 80	899	100 63	986	110 56	1156	120 50	1303
200 µm	90 90	1008	90 100	1119	100 80	1245	110 71	1460	120 63	1635
ULD										






600 µm	90 8	91	90 9	104	100 7,1	113	110 6,3	134	120 5,6	148
450 µm	90 14	160	90 16	183	100 12.5	200	110 11	232	120 10	266
300 µm	90 18	205	90 20	228	100 16	254	110 14	294	120 12.5	332
200 µm	90 22	252	90 25	286	100 20	318	110 18	377	120 16	424

Default size Ø160 x 160 mm. Filtering 0.2 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 16	485	90 18	546	100 14	549	110 12,5	621	120 11	664
450 µm	90 28	844	90 32	962	100 25	980	110 22	1092	120 20	1201
300 µm	90 36	1075	90 40	1192	100 32	1245	110 28	1379	120 25	1504
200 µm	90 45	1336	90 50	1480	100 40	1548	110 36	1760	120 32	1903
ULD										
600 µm	90 8	99	90 9	112	100 7,1	122	110 6,3	144	120 5,6	160
450 µm	90 14	173	90 16	197	100 12.5	215	110 11	249	120 10	286
300 µm	90 18	221	90 20	245	100 16	274	110 14	317	120 12.5	358
200 µm	90 22	271	90 25	307	100 20	342	110 18	405	120 16	456

2.5. Sinus program, Viso G5

Default size Ø130 x 130 mm. Filtering 0.5 mm Cu.






Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 25	263	90 28	292	100 22	320	110 20	382	120 18	438

D0012472

7/8






450 µm	90 45	469	90 50	520	100 40	579	110 36	691	120 32	776
300 µm	90 56	581	90 63	652	100 50	720	110 45	857	120 40	961
ULD										
600 µm	90 6,3	67	90 7,1	74	100 5,6	81	110 5	96	120 4,5	110
450 µm	90 11	116	90 12,5	131	100 10	147	110 9	174	120 8	195
300 µm	90 14	147	90 16	167	100 12,5	183	110 11	212	120 10	244

Default size Ø130 x 130 mm. Filtering 0.2 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 12,5	349	90 14	390	100 11	401	110 10	461	120 9	506
450 µm	90 22	615	90 25	698	100 20	726	110 18	827	120 16	892
300 µm	90 28	783	90 32	893	100 25	909	110 22	1013	120 20	1114
ULD										
600 µm	90 6,3	73	90 7,1	81	100 5,6	89	110 5	105	120 4,5	120
450 µm	90 11	126	90 12,5	143	100 10	159	110 9	189	120 8	212
300 µm	90 14	160	90 16	182	100 12,5	199	110 11	231	120 10	266






2.6. Sinus program, Viso G3

Default size Ø130 x 100 mm. Filtering 0.5 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 25	133	90 28	149	100 22	163	110 20	195	120 18	223

450 µm	90 45	234	90 50	263	100 40	294	110 36	348	120 32	392
300 µm	90 56	294	90 63	330	100 50	366	110 45	434	120 40	488
ULD										
600 µm	90 6,3	34	90 7,1	39	100 5,6	42	110 5	50	120 4,5	56
450 µm	90 11	59	90 12,5	67	100 10	75	110 9	89	120 8	100
300 µm	90 14	75	90 16	86	100 12,5	94	110 11	109	120 10	125

Default size Ø130 x 100 mm. Filtering 0.2 mm Cu.

Program	Factory programmed values									
										
Resolution	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²	kV mAs	DAP mGycm ²
600 µm	90 12,5	165	90 14	186	100 11	188	110 10	217	120 9	238
450 µm	90 22	290	90 25	329	100 20	342	110 18	391	120 16	420
300 µm	90 28	365	90 32	417	100 25	425	110 22	474	120 20	526
ULD										
600 µm	90 6,3	34	90 7,1	39	100 5,6	42	110 5	50	120 4,5	56
450 µm	90 11	59	90 12,5	67	100 10	75	110 9	89	120 8	100
300 µm	90 14	75	90 16	86	100 12,5	94	110 11	109	120 10	125

These are the factory programmed calculated DAP values. The user can choose the filtration 0.5 mm (default) or 0.2 mm Cu. The ULD mode has always 0.5 mm Cu. The values can vary 5 – 10% between units, because of the different X-ray yield from the X-ray tubes and different collimation settings.

Viso sw 2.2.0, August 2024

---EOF---