**РУЧНОЕ ПРОГРАММИРОВАНИЕ ГЕНЕРАТОРА «МАГНУМ»**

**\*GENERATOR SETUP\***

v

**\*GEN CONFIGURATION\***

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**\*TUBE SELECTION\***

TUBE 1

Кнопка «TUBE 1» 🡪 **\*TUBE 1 SELECTION\***

Выводится библиотека трубок

Кнопка «RTM782HS 0.6/1.2» 🡪 **\*TUBE 1 : RTM782HS 0.6/1.2 12град. REV 1.1\***

|  |  |  |  |
| --- | --- | --- | --- |
| параметр | значение | варианты | комментарии |
| TUBE SPEED | DUAL | LOW, HIGH, DUAL | *скорость вращ. анода* |
| MAX SF KW LS | 20.1 |  | *мощность МФ на 3000 об/мин* |
| MAX LF KW LS | 50.2 |  | *мощность БФ на 3000 об/мин* |
| MAX KV | 150 |  | *максимальное анодное напряжение* |
| MAX SF KW HS | 32.1 |  | *мощность МФ на 9000 об/мин* |
| MAX LF KW HS | 77.4 |  | *мощность БФ на 9000 об/мин* |
| >> |  |  |  |
| MAX SF MA | 320 |  | *макс. анодный ток МФ* |
| ANODE HU WARNING | 80% |  | *сообщение о разогреве анода* |
| ANODE HU LIMIT | 90% |  | *блокировка снимка по темп. анода* |
| >> |  |  |  |
| SF STANDBY | 2.2A |  | *ток накала МФ в деж. режиме* |
| LF STANDBY | 2.2A |  | *ток накала БФ в деж. режиме* |
| SF MAX | 5.4A |  | *максимальный ток накала МФ* |
| LF MAX | 5.4A |  | *максимальный ток накала БФ* |
| FIL BOOST | 220ms |  | *время форсирования накала* |
| FIL PREHEAT | 780ms |  | *время разогрева катода (задержка снимка по накалу)* |

RETURN

RETURN

**\*GEN CONFIGURATION\***

v

**\*GENERATOR LIMINS\***

|  |  |  |  |
| --- | --- | --- | --- |
| параметр | значение | варианты | комментарии |
| MAX KW | 50 |  | *макс. мощность* |
| MAX mA | 630 |  | *макс. анодный ток* |
| MIN mA | 10 |  | *мин. анодный ток* |
| MAX mAs | 630 |  | *макс. экспозиция* |

**\*GEN CONFIGURATION\***

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**\*RECEPTOR SETUP\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| TUBE | 1 | 1 | 1 | NONE | 1 | NONE | 1, 2, NONE | *номера трубок по приёмникам* |
| TOMO | NO | NO | NO | NO | NO | NO | NO, YES | *наличие режима томографии* |
| FLUORO | YES | YES | YES | YES | YES | YES | NO, YES | *наличие режима скопии* |
| SERIAL | YES | YES | YES | NO | NO | NO | NO, YES | *серийная съёмка* |
| INTERFACE OPTS | 13 | 0 | 0 | 0 | 0 | 0 | 0 - 99 | *опции интерфейса* |
| FUNCTIONAL OPTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 - 99 | *функциональные опции* |
| >> |  |  |  |  |  |  |  |  |
| RECEPTOR SYM |  |  |  |  |  |  |  | *символ приёмника (раб. места)* |
| FLUORO HANG | 30sec | 30sec | 30sec | 30sec | 30sec | 30sec | 0 - 99 | *задержка скопии* |
| RAD HANG | 0sec | 0sec | 0sec | 0sec | 0sec | 0sec | 0 - 99 | *задержка снимка* |
| LAST IMAGE HOLD | 40ms | 40ms | 40ms | 40ms | 40ms | 40ms | 0 - 99 | *задержка изображения* |
| MEMORY | NO | NO | NO | NO | NO | NO | NO, YES, DEF | *запоминание режима* |
| REM TOMO BUT | 2500ms | 2500ms | 2500ms | 2500ms | 2500ms | 2500ms | 2 - 6300 | *макс. время томографии* |
| >> |  |  |  |  |  |  |  |  |
| SF/LF SWITCH | AUTO | AUTO | AUTO | MAN | AUTO | MAN | MAN, AUTO | *выбор фокуса* |
| AEC BACUP | FIXED | FIXED | FIXED | FIXED | FIXED | FIXED | mAs, ms, FIXED | *режим эксп-ра* |
| AEC BACUP mAs | 500 | 500 | 500 | 500 | 500 | 500 | 0.5 - 600 | *макс. экспозиция с эксп-ром* |
| AEC BACUP ms | 3200 | 3200 | 3200 | 3200 | 3200 | 3200 | 2 - 6300 | *макс. время снимка с эксп-ром* |
| DEFAULTS | В строке «MЕMORY» опция «DEF» отсутствует – поэтому строки «DEFAULTS» нет | | | | | | | *параметры по умолчанию* |
| AEC CHANNEL | 1 | 1 | 1 | 0 | 1 | 0 | 0, 1, 2, 3, 4 | *номера каналов экспонометра* |
| >> |  |  |  |  |  |  |  |  |
| AEC LOCK EXPs | 3 | 3 | 3 | 3 | 3 | 3 | 1 -- 100 |  |
|  |  |  |  |  |  |  |  |  |
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**\*GEN CONFIGURATION\***

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**\*I/O CONFIGURATION \***

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**\*INPUTS\***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Комментарии |
| REMOTE EXP | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *снимок с внешнего устр.* |
| REMOTE PREP | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *подготовка - // - // - // -* |
| REMOTE FL. EXP | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ Х** | *скопия*  *- // - // - // -* |
| CONSOLE EXP | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | *снимок с пульта* |
| >> |  |  |  |  |  |  |  |
| CONSOLE PREP | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | *подготовка с пульта* |
| TOMO EXP | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *томография* |
| REM TOMO SEL | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *выбор томо с внешн. устр* |
| I/I SAFETY | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *защита УРИ* |
| >> |  |  |  |  |  |  |  |
| COLL ITLK | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *блокировка по дифрагме* |
| BUCKY CONTACTS | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *вкл. сн.с решётки* |
| SPARE | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *резерв* |
| TERMAL SW1 | **Х Х \_ Х Х** | **Х Х \_ Х Х** | **Х Х \_ Х Х** | **Х Х \_ Х Х** | **Х Х \_ Х Х** | **Х Х \_ Х Х** | *термоконтакт излучателя 1* |
| >> |  |  |  |  |  |  |  |
| TERMAL SW2 | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *термоконтакт излучателя 2* |
| DOOR ITLK | **\_ Х \_ Х Х** | **\_ Х \_ Х Х** | **\_ Х \_ Х Х** | **\_ Х \_ Х Х** | **\_ Х \_ Х Х** | **\_ Х \_ Х Х** | *блокировка дверным контактом* |
| MULTI SPOT EXP | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *серийная съёмка* |

**\*OUTPUTS\***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| BKY1 SELECT | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ Х** | **\_ \_ \_ \_ \_** | *выбор решётки 1* |
| BKY2 SELECT | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ Х \_ \_ \_** | **\_ \_ \_ \_ \_** | *выбор решётки 2* |
| BKY3 SELECT | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ \_ \_** | *выбор решётки 3* |
| TOMO/BKY4 SEL. | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Т \_** | *выбор решётки 4* |
| >> |  |  |  |  |  |  |  |
| TOMO/BKY STRT | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** | *старт решётки* |
| ALE | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** |  |
| COLL BYPASS | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ Х \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ Х \_** | *упр-е диафрагмой* |
| >> |  |  |  |  |  |  |  |
| ROOM LIGT | **\_ Х Х Х Х** | **\_ Х Х Х Х** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *дверной свет (табло «не входить»)* |
| SPARE | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | **\_ \_ \_ \_ \_** | *резерв* |

**\*GEN CONFIGURATION\***

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**\*AEC SETUP\***

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| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| AEC CHANNEL 1 | см. далее |  |  | недоступно |  | недоступно |  |  |
| AEC CHANNEL 2 | см. далее |  |  | -- // -- // -- |  | -- // -- // -- |  |  |
| AEC CHANNEL 3 | см. далее |  |  |  |  |  |  |  |
| AEC CHANNEL 4 | см. далее |  |  |  |  |  |  |  |
|  | кнопка « AEC CHANNEL 1» 🡪 **\*AEC SETUP – C1\*** | | | | | |  |  |
| LEFT FIELD | YES | YES | YES |  | YES |  | YES, NO |  |
| CENTER FIELD | YES | YES | YES |  | YES |  | YES, NO |  |
| RIGT FIELD | YES | YES | YES |  | YES |  | YES, NO |  |
| CHAMBER TYPE | 1 | 1 | 1 |  | 1 |  | 0 -- 255 |  |
| MEDIA | FILM | FILM | FILM |  | FILM |  | FILM, DIGITAL |  |
| >> |  |  |  |  |  |  |  |  |
| FILM SCREEN 1 | YES | YES | YES |  | YES |  | YES, NO |  |
| FILM SCREEN 2 | YES | YES | YES |  | YES |  | YES, NO |  |
| FILM SCREEN 3 | YES | YES | YES |  | YES |  | YES, NO |  |
| R FIELD COMP | 0% | 0% | 0% |  | 0% |  | -100 -- +100 |  |
| C FIELD COMP | 0% | 0% | 0% |  | 0% |  | -100 -- +100 |  |
| L FIELD COMP | 0% | 0% | 0% |  | 0% |  | -100 -- +100 |  |
| >> |  |  |  |  |  |  |  |  |
| F/S 1 GAIN | 10 | 10 | 10 |  | 10 |  | 0 -- 1023 | GAIN - увеличение |
| F/S 1 GAIN | 10 | 10 | 10 |  | 10 |  | 0 -- 1023 |  |
| F/S 1 GAIN | 10 | 10 | 10 |  | 10 |  | 0 -- 1023 |  |
|  |  |  |  |  |  |  |  |  |
| кнопка « AEC CHANNEL 2» 🡪 **\*AEC SETUP – C2\*** таблица такая же, только«CHAMBER TYPE» = 0 | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |
| кнопка « AEC CHANNEL 3» 🡪 **\*AEC SETUP – C3\*** таблица такая же, только«CHAMBER TYPE» = 0 | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |
| кнопка « AEC CHANNEL 4» 🡪 **\*AEC SETUP – C4\*** таблица такая же, только«CHAMBER TYPE» = 0 | | | | | | | |  |
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**\*GEN CONFIGURATION\***

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**\*AEC CALIBRATION\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| FILM SCREEN 1 | см. далее |  |  |  |  |  |  |  |
| FILM SCREEN 2 | см. далее |  |  |  |  |  |  |  |
| FILM SCREEN 3 | см. далее |  |  |  |  |  |  |  |
| DIGITAL RAD 1 | недоступно | недоступно | недоступно | недоступно | недоступно | недоступно |  |  |
| DIGITAL RAD 2 | недоступно | недоступно | недоступно | недоступно | недоступно | недоступно |  |  |
| DIGITAL RAD 3 | недоступно | недоступно | недоступно | недоступно | недоступно | недоступно |  |  |
| DENSITY SETUP | см. далее |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Кнопка **«** FILM SCREEN 1» 🡪 **\*AEC CAL. F/S1\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| TUBE | 1 | 1 | 1 | недоступно | 1 | недоступно |  |  |
| 50 kV | 84 | 84 | 84 | -- // -- // -- | 84 | -- // -- // -- | 0.0 – 99.9 |  |
| 55 kV | 78 | 78 | 78 |  | 78 |  | -- // -- // -- |  |
| 65 kV | 66 | 66 | 66 |  | 66 |  |  |  |
| 75 kV | 54 | 54 | 54 |  | 54 |  |  |  |
| 85 kV | 42 | 42 | 42 |  | 42 |  |  |  |
| 95 kV | 38 | 38 | 38 |  | 38 |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 110 kV | 34 | 34 | 34 |  | 34 |  |  |  |
| 130 kV | 28 | 28 | 28 |  | 28 |  |  |  |
| RLF COMPENS. |  |  |  |  |  |  |  |  |
| MULT SPOT COMP | 0% | 0% | 0% |  | 0% |  | -99 -- 99 |  |
|  |  |  |  |  |  |  |  |  |

Кнопка **«** RLF COMPENS.» 🡪  **\*RLF COMP. F/S1\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50 msec | 0% | 0% | 0% | недоступно | 0% | недоступно | 0% -- 99% |  |
| 500 msec | 0% | 0% | 0% | -- // -- // -- | 0% | -- // -- // -- | -- // -- // -- |  |
| 1000 msec | 0% | 0% | 0% |  | 0% |  |  |  |
|  |  |  |  |  |  |  |  |  |

Кнопка **«** FILM SCREEN 2» 🡪 **\*AEC CAL. F/S2\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| TUBE | 1 | 1 | 1 | недоступно | 1 | недоступно |  |  |
| 50 kV | 68 | 68 | 68 | -- // -- // -- | 68 | -- // -- // -- | 0.0 – 99.9 |  |
| 55 kV | 64 | 64 | 64 |  | 64 |  | -- // -- // -- |  |
| 65 kV | 56 | 56 | 56 |  | 56 |  |  |  |
| 75 kV | 48 | 48 | 48 |  | 48 |  |  |  |
| 85 kV | 42.8 | 42.8 | 42.8 |  | 42.8 |  |  |  |
| 95 kV | 38 | 38 | 38 |  | 38 |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 110 kV | 34 | 34 | 34 |  | 34 |  |  |  |
| 130 kV | 30 | 30 | 30 |  | 30 |  |  |  |
| RLF COMPENS. |  |  |  |  |  |  |  |  |
| MULT SPOT COMP | 0% | 0% | 0% |  | 0% |  | -99 -- 99 |  |

Кнопка **«** RLF COMPENS.» 🡪  **\*RLF COMP. F/S2\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50 msec | 0% | 0% | 0% | недоступно | 0% | недоступно | 0% -- 99% |  |
| 500 msec | 0% | 0% | 0% | -- // -- // -- | 0% | -- // -- // -- | -- // -- // -- |  |
| 1000 msec | 0% | 0% | 0% |  | 0% |  |  |  |

Кнопка **«** FILM SCREEN 3» 🡪 **\*AEC CAL. F/S3\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| TUBE | 1 | 1 | 1 | недоступно | 1 | недоступно |  |  |
| 50 kV | 54 | 54 | 54 | -- // -- // -- | 54 | -- // -- // -- | 0.0 – 99.9 |  |
| 55 kV | 52 | 52 | 52 |  | 52 |  | -- // -- // -- |  |
| 65 kV | 48 | 48 | 48 |  | 48 |  |  |  |
| 75 kV | 44.8 | 44.8 | 44.8 |  | 44.8 |  |  |  |
| 85 kV | 42 | 42 | 42 |  | 42 |  |  |  |
| 95 kV | 38 | 38 | 38 |  | 38 |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 110 kV | 34 | 34 | 34 |  | 34 |  |  |  |
| 130 kV | 28 | 28 | 28 |  | 28 |  |  |  |
| RLF COMPENS. |  |  |  |  |  |  |  |  |
| MULT SPOT COMP | 0% | 0% | 0% |  | 0% |  | -99 -- 99 |  |

Кнопка **«** RLF COMPENS.» 🡪  **\*RLF COMP. F/S3\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 50 msec | 0% | 0% | 0% | недоступно | 0% | недоступно | 0% -- 99% |  |
| 500 msec | 0% | 0% | 0% | -- // -- // -- | 0% | -- // -- // -- | -- // -- // -- |  |
| 1000 msec | 0% | 0% | 0% |  | 0% |  |  |  |

Кнопка **«** DENSITY SETUP » 🡪  **\*DENS. SETUP\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| TUBE | 1 | 1 | 1 | недоступно | 1 | недоступно |  |  |
| -8 | -- | -- | -- | -- // -- // -- | -- | -- // -- // -- | 1% -- 99% |  |
| -7 | -- | -- | -- |  | -- |  | -- // -- // -- |  |
| -6 | -- | -- | -- |  | -- |  |  |  |
| -5 | 62% | 62% | 62% |  | 62% |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| -4 | 50% | 50% | 50% |  | 50% |  |  |  |
| -3 | 37% | 37% | 37% |  | 37% |  |  |  |
| -2 | 25% | 25% | 25% |  | 25% |  |  |  |
| -1 | 12% | 12% | 12% |  | 12% |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| +1 | 12% | 12% | 12% |  | 12% |  |  |  |
| +2 | 25% | 25% | 25% |  | 25% |  |  |  |
| +3 | 37% | 37% | 37% |  | 37% |  |  |  |
| +4 | 50% | 50% | 50% |  | 50% |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| +5 | 62% | 62% | 62% |  | 62% |  |  |  |
| +6 | -- | -- | -- |  | -- |  |  |  |
| +7 | -- | -- | -- |  | -- |  |  |  |
| +8 | -- | -- | -- |  | -- |  |  |  |
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**\*GEN CONFIGURATION\***

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**\*FLUORO SETUP\***

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX |  | Комментарии |
| TUBE | 1 | 1 | 1 | недоступно | 1 | недоступно |  |  |
|  |  |  |  |  |  |  |  |  |
| FL TIMER | 10min | 10min | 10min |  | 10min |  | 5min, 10min |  |
| MIN FL kV | 40 | 40 | 40 |  | 40 |  | 40 -- 60 |  |
| MAX FL kV | 120 | 120 | 120 |  | 120 |  | 100 -- 125 |  |
| I/I MODES | 2 | 2 | 2 |  | 2 |  | 0, 1, 2, 3 |  |
| FL ABS | ON | ON | ON |  | ON |  | ON, OFF |  |
| FL ABS DEFAULT | ON | ON | ON |  | ON |  | ON, NONE, OFF |  |
| >> |  |  |  |  |  |  |  |  |
| FL/RAD kV DEF | OFF | OFF | OFF |  | OFF |  | 1, 2, 3, NONE, OFF |  |
| FL/RAD kV CURVES | см. далее |  |  |  |  |  |  |  |
| SID COMP | см. далее |  |  |  |  |  |  |  |
| FL SETUP | см. далее |  |  |  |  |  |  |  |
| HLF SETUP | Кнопка «HLF SETUP» -- **недоступно** | | | | | |  |  |
| PF SETUP | Кнопка «PF SETUP» -- **недоступно** | | | | | |  |  |
| HPF SETUP | Кнопка «HPF SETUP» -- **недоступно** | | | | | |  |  |
| >> |  |  |  |  |  |  |  |  |
| HLF SELECT | CONSOLE | REMOTE | REMOTE |  | REMOTE |  | REMOTE, CONSOLE |  |
| PF SELECT | CONSOLE | CONSOLE | CONSOLE |  | CONSOLE |  | -- // -- // -- // -- // -- |  |
|  |  |  |  |  |  |  |  |  |

Кнопка **«** МЕНЮ » 🡪  **\*МЕНЮ\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AEC LOCK | OFF |  |  |  |  |  | ON, OFF |  |
| FL/RAD kV CURVE | ВЫК |  |  |  |  |  | ВЫК, МАЛ |  |
| FL ABS CURVE | МАЛ |  |  |  |  |  | ВЫК, МАЛ |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Кнопка **«** FL/RAD kV CURVES » 🡪  **\*F/R kV CUR 1\***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
|  |  |  |  |  |  |  |  |  |
| F/R kV CURVE 1 | ON | ON | ON | недоступно | ON | недоступно | ON, OFF |  |
| F – 40 kV | R – 40 kV | R – 40 kV | R – 40 kV |  | R – 40 kV |  | 40 -- 150 |  |
| F – 45 kV | R – 45 kV | R – 45 kV | R – 45 kV |  | R – 45 kV |  | -- // -- // -- |  |
| F – 50 kV | R – 50 kV | R – 50 kV | R – 50 kV |  | R – 50 kV |  | -- // -- // -- |  |
| F – 55 kV | R – 55 kV | R – 55 kV | R – 55 kV |  | R – 55 kV |  | -- // -- // -- |  |
| F – 60 kV | R – 60 kV | R – 60 kV | R – 60 kV |  | R – 60 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 65 kV | R – 65 kV | R – 65 kV | R – 65 kV |  | R – 65 kV |  | -- // -- // -- |  |
| F – 70 kV | R – 70 kV | R – 70 kV | R – 70 kV |  | R – 70 kV |  | -- // -- // -- |  |
| F – 75 kV | R – 75 kV | R – 75 kV | R – 75 kV |  | R – 75 kV |  | -- // -- // -- |  |
| F – 80 kV | R – 80 kV | R – 80 kV | R – 80 kV |  | R – 80 kV |  | -- // -- // -- |  |
| F – 85 kV | R – 85 kV | R – 85 kV | R – 85 kV |  | R – 85 kV |  | -- // -- // -- |  |
| F – 90 kV | R – 90 kV | R – 90 kV | R – 90 kV |  | R – 90 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 95 kV | R – 95 kV | R – 95 kV | R – 95 kV |  | R – 95 kV |  | -- // -- // -- |  |
| F – 100 kV | R – 100 kV | R – 100 kV | R – 100 kV |  | R – 100 kV |  | -- // -- // -- |  |
| F – 105 kV | R – 105 kV | R – 105 kV | R – 105 kV |  | R – 105 kV |  | -- // -- // -- |  |
| F – 110 kV | R – 110 kV | R – 110 kV | R – 110 kV |  | R – 110 kV |  | -- // -- // -- |  |
| F – 115 kV | R – 115 kV | R – 115 kV | R – 115 kV |  | R – 115 kV |  | -- // -- // -- |  |
| F – 120 kV | R – 120 kV | R – 120 kV | R – 120 kV |  | R – 120 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 125 kV | R – 125 kV | R – 125 kV | R – 125 kV |  | R – 125 kV |  | -- // -- // -- |  |
| >> | 🡪  **\*F/R kV CUR 2\*** | | | | | |  |  |
| F/R kV CURVE 2 | OFF | OFF | OFF | недоступно | OFF | недоступно | ON, OFF |  |
| F – 40 kV | R – 50 kV | R – 50 kV | R – 50 kV |  | R – 50 kV |  | 40 -- 150 |  |
| F – 45 kV | R – 51 kV | R – 51 kV | R – 51 kV |  | R – 51 kV |  | -- // -- // -- |  |
| F – 50 kV | R – 53 kV | R – 53 kV | R – 53 kV |  | R – 53 kV |  | -- // -- // -- |  |
| F – 55 kV | R – 55 kV | R – 55 kV | R – 55 kV |  | R – 55 kV |  | -- // -- // -- |  |
| F – 60 kV | R – 57 kV | R – 57 kV | R – 57 kV |  | R – 57 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 65 kV | R – 59 kV | R – 59 kV | R – 59 kV |  | R – 59 kV |  | -- // -- // -- |  |
| F – 70 kV | R – 61 kV | R – 61 kV | R – 61 kV |  | R – 61 kV |  | -- // -- // -- |  |
| F – 75 kV | R – 64 kV | R – 64 kV | R – 64 kV |  | R – 64 kV |  | -- // -- // -- |  |
| F – 80 kV | R – 66 kV | R – 66 kV | R – 66 kV |  | R – 66 kV |  | -- // -- // -- |  |
| F – 85 kV | R – 69 kV | R – 69 kV | R – 69 kV |  | R – 69 kV |  | -- // -- // -- |  |
| F – 90 kV | R – 72 kV | R – 72 kV | R – 72 kV |  | R – 72 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 95 kV | R – 74 kV | R – 74 kV | R – 74 kV |  | R – 74 kV |  | -- // -- // -- |  |
| F – 100 kV | R – 76 kV | R – 76 kV | R – 76 kV |  | R – 76 kV |  | -- // -- // -- |  |
| F – 105 kV | R – 79 kV | R – 79 kV | R – 79 kV |  | R – 79 kV |  | -- // -- // -- |  |
| F – 110 kV | R – 81 kV | R – 81 kV | R – 81 kV |  | R – 81 kV |  | -- // -- // -- |  |
| F – 115 kV | R – 82 kV | R – 82 kV | R – 82 kV |  | R – 82 kV |  | -- // -- // -- |  |
| F – 120 kV | R – 83 kV | R – 83 kV | R – 83 kV |  | R – 83 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 125 kV | R – 84 kV | R – 84 kV | R – 84 kV |  | R – 84 kV |  | -- // -- // -- |  |
| >> | 🡪  **\*F/R kV CUR 3\*** | | | | | |  |  |
| F/R kV CURVE 3 | OFF | OFF | OFF | недоступно | OFF | недоступно | ON, OFF |  |
| F – 40 kV | R – 55 kV | R – 55 kV | R – 55 kV |  | R – 55 kV |  | 40 -- 150 |  |
| F – 45 kV | R – 58 kV | R – 58 kV | R – 58 kV |  | R – 58 kV |  | -- // -- // -- |  |
| F – 50 kV | R – 60 kV | R – 60 kV | R – 60 kV |  | R – 60 kV |  | -- // -- // -- |  |
| F – 55 kV | R – 63 kV | R – 63 kV | R – 63 kV |  | R – 63 kV |  | -- // -- // -- |  |
| F – 60 kV | R – 65 kV | R – 65 kV | R – 65 kV |  | R – 65 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 65 kV | R – 68 kV | R – 68 kV | R – 68 kV |  | R – 68 kV |  | -- // -- // -- |  |
| F – 70 kV | R – 70 kV | R – 70 kV | R – 70 kV |  | R – 70 kV |  | -- // -- // -- |  |
| F – 75 kV | R – 75 kV | R – 75 kV | R – 75 kV |  | R – 75 kV |  | -- // -- // -- |  |
| F – 80 kV | R – 75 kV | R – 75 kV | R – 75 kV |  | R – 75 kV |  | -- // -- // -- |  |
| F – 85 kV | R – 77 kV | R – 77 kV | R – 77 kV |  | R – 77 kV |  | -- // -- // -- |  |
| F – 90 kV | R – 80 kV | R – 80 kV | R – 80 kV |  | R – 80 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 95 kV | R – 83 kV | R – 83 kV | R – 83 kV |  | R – 83 kV |  | -- // -- // -- |  |
| F – 100 kV | R – 85 kV | R – 85 kV | R – 85 kV |  | R – 85 kV |  | -- // -- // -- |  |
| F – 105 kV | R – 87 kV | R – 87 kV | R – 87 kV |  | R – 87 kV |  | -- // -- // -- |  |
| F – 110 kV | R – 90 kV | R – 90 kV | R – 90 kV |  | R – 90 kV |  | -- // -- // -- |  |
| F – 115 kV | R – 93 kV | R – 93 kV | R – 93 kV |  | R – 93 kV |  | -- // -- // -- |  |
| F – 120 kV | R – 95 kV | R – 95 kV | R – 95 kV |  | R – 95 kV |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| F – 125 kV | R – 98 kV | R – 98 kV | R – 98 kV |  | R – 98 kV |  | -- // -- // -- |  |

Кнопка **«** SID COMP » 🡪  **\* SID COMP \***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр |  | Рабочие места не индицируются | | | | | | Варианты | Комментарии |
| SID COMP | OFF |  |  | |  |  |  | ON, OFF |  |
| SID INT. TYPE | 0 |  | |  |  |  |  | 0, 1 |  |
| SID MIN REF | 120 |  |  | |  |  |  | -10000 -- 10000 |  |
| SID MIN REF | 180 |  |  | |  |  |  | -- // -- // -- |  |

Кнопка **«** FL SETUP » 🡪  **\* FL SETUP \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| FL ABS SETUP | см. далее |  |  | недост. |  | недост. |  |  |
| FL ABS CURVE DEFAULT | 1 | 1 | 1 |  | 1 |  | 1, 2, 3, NONE, OFF |  |
| FL ABS CURVES | см. далее |  |  |  |  |  |  |  |
| FL DOSE LIMITS | см. далее |  |  |  |  |  |  |  |
| FL I/I COMP | см. далее |  |  |  |  |  |  |  |

Кнопка **«** FL ABS SETUP » 🡪  **\* FL ABS SET \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| ABS LEVEL 0 | 1.00 V | 1.00 V | 1.00 V | недост. | 1.00 V | недост. | - 10.00 – 10.00 |  |
| ABS LEVEL 1 | 1.05 V | 1.05 V | 1.05 V |  | 1.05 V |  | -- // -- // -- |  |
| ABS LEVEL 2 | 1.10 V | 1.10 V | 1.10 V |  | 1.10 V |  | -- // -- // -- |  |
| ABS LEVEL 3 | 1.60 V | 1.60 V | 1.60 V |  | 1.60 V |  | -- // -- // -- |  |
| SIGNAL GAIN | 17 | 17 | 17 |  | 17 |  | 0 -- 100 |  |
| ABS GAIN | 17 | 17 | 17 |  | 17 |  | -- // -- // -- |  |
| >> |  |  |  |  |  |  |  |  |
| ABS DEADBAND | 3% | 3% | 3% |  | 3% |  | 0% -- 100% |  |
| ABS DELAY | 220 ms | 220 ms | 220 ms |  | 220 ms |  | 30 -- 500 |  |
| ABS START kV | 60 | 60 | 60 |  | 60 |  | 40 -- 125 |  |

Кнопка **«** FL ABS CURVES » 🡪  **\* FL ABS C1 \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| FL ABS CURVE 1 | ON | ON | ON | недост. | ON | недост. | ON, OFF |  |
| 40 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  | 0.5 – 10.0 |  |
| 50 kV | 0.7 mA | 0.7 mA | 0.7 mA |  | 0.7 mA |  | -- // -- // -- |  |
| 60 kV | 0.8 mA | 0.8 mA | 0.8 mA |  | 0.8 mA |  |  |  |
| 70 kV | 1.0 mA | 1.0 mA | 1.0 mA |  | 1.0 mA |  |  |  |
| 80 kV | 1.5 mA | 1.5 mA | 1.5 mA |  | 1.5 mA |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 90 Kv | 2.0 mA | 2.0 mA | 2.0 mA |  | 2.0 mA |  |  |  |
| 100 Kv | 2.5 mA | 2.5 mA | 2.5 mA |  | 2.5 mA |  |  |  |
| 110 Kv | 3.0 mA | 3.0 mA | 3.0 mA |  | 3.0 mA |  |  |  |
| 120 Kv | 3.5 mA | 3.5 mA | 3.5 mA |  | 3.5 mA |  |  |  |
| 125 Kv | 4.0 mA | 4.0 mA | 4.0 mA |  | 4.0 mA |  |  |  |
| >> | **\* FL ABS C2 \*** | | | | | |  |  |
| FL ABS CURVE 2 | OFF | OFF | OFF |  | OFF |  | ON, OFF |  |
| 40 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  | 0.5 – 10.0 |  |
| 50 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  | -- // -- // -- |  |
| 60 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  |  |  |
| 70 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  |  |  |
| 80 kV | 1.3 mA | 1.3 mA | 1.3 mA |  | 1.3 mA |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 90 Kv | 3.0 mA | 3.0 mA | 3.0 mA |  | 3.0 mA |  |  |  |
| 100 Kv | 4.0 mA | 4.0 mA | 4.0 mA |  | 4.0 mA |  |  |  |
| 110 Kv | 4.2 mA | 4.2 mA | 4.2 mA |  | 4.2 mA |  |  |  |
| 120 Kv | 4.9 mA | 4.9 mA | 4.9 mA |  | 4.9 mA |  |  |  |
| 125 Kv | 4.5 mA | 4.5 mA | 4.5 mA |  | 4.5 mA |  |  |  |
| >> | **\* FL ABS C3 \*** | | | | | |  |  |
| FL ABS CURVE 3 | OFF | OFF | OFF |  | OFF |  | ON, OFF |  |
| 40 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  | 0.5 – 10.0 |  |
| 50 kV | 0.5 mA | 0.5 mA | 0.5 mA |  | 0.5 mA |  | -- // -- // -- |  |
| 60 kV | 1.3 mA | 1.3 mA | 1.3 mA |  | 1.3 mA |  |  |  |
| 70 kV | 3.0 mA | 3.0 mA | 3.0 mA |  | 3.0 mA |  |  |  |
| 80 kV | 4.0 mA | 4.0 mA | 4.0 mA |  | 4.0 mA |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 90 Kv | 6.0 mA | 6.0 mA | 6.0 mA |  | 6.0 mA |  |  |  |
| 100 Kv | 5.5 mA | 5.5 mA | 5.5 mA |  | 5.5 mA |  |  |  |
| 110 Kv | 4.4 mA | 4.4 mA | 4.4 mA |  | 4.4 mA |  |  |  |
| 120 Kv | 3.7 mA | 3.7 mA | 3.7 mA |  | 3.7 mA |  |  |  |
| 125 Kv | 3.5 mA | 3.5 mA | 3.5 mA |  | 3.5 mA |  |  |  |

Кнопка **«** FL DOSE LIMITS » 🡪  **\* FL MAN DL \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| 40 kV | 6.0 mA | 6.0 mA | 6.0 mA | недост. | 6.0 mA | недост. | 0.5 –10.0 |  |
| 50 kV | -- // -- | -- // -- | -- // -- | -- // -- | -- // -- | -- // -- | -- // -- |  |
| 60 kV |  |  |  |  |  |  |  |  |
| 70 kV |  |  |  |  |  |  |  |  |
| 80 kV |  |  |  |  |  |  |  |  |
| 90 Kv |  |  |  |  |  |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 100 Kv | 6.0 mA | 6.0 mA | 6.0 mA |  | 6.0 mA |  |  |  |
| 110 Kv | -- // -- | -- // -- | -- // -- |  | -- // -- |  |  |  |
| 120 Kv |  |  |  |  |  |  |  |  |
| 125 Kv |  |  |  |  |  |  |  |  |
| >> | **\* FL ABS DL \*** | | | | | |  |  |
| 40 kV | 6.0 mA | 6.0 mA | 6.0 mA |  | 6.0 mA |  |  |  |
| 50 kV | -- // -- | -- // -- | -- // -- |  | -- // -- |  |  |  |
| 60 kV |  |  |  |  |  |  |  |  |
| 70 kV |  |  |  |  |  |  |  |  |
| 80 kV |  |  |  |  |  |  |  |  |
| 90 Kv |  |  |  |  |  |  |  |  |
| >> |  |  |  |  |  |  |  |  |
| 100 Kv | 6.0 mA | 6.0 mA | 6.0 mA |  | 6.0 mA |  |  |  |
| 110 Kv | -- // -- | -- // -- | -- // -- |  | -- // -- |  |  |  |
| 120 Kv |  |  |  |  |  |  |  |  |
| 125 Kv |  |  |  |  |  |  |  |  |

Кнопка **«** FL I/I COMP » 🡪  **\* FL I/I COMP \***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| параметр | Стол сн. | Сн. б/реш. | Стойка сн. | Томо | ПСШ | AUX | Варианты | Комментарии |
| MAG 1 mA MULT | 1.2 | 1.2 | 1.2 | недост. | 1.2 | недост. | 1.0 – 4.0 |  |
| MAG 2 mA MULT | 1.7 | 1.7 | 1.7 | -- // -- | 1.7 | -- // -- | -- // -- |  |
| MAG 3 mA MULT | 2.1 | 2.1 | 2.1 |  | 2.1 |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |