

Servo Motor and controller Settings

Mini Servo Motor

- Configuration Digital
- Operating speed (at 4.8 V) 0.055 s/60° without load
- Center position pulse length 760 μ s
- Stall Torque (at 4.8 V) 2.3 kg-cm
- Maximum pulse frequency 333 Hz
- Minimum pulse period 3000 μ s
- Minimum pulse length (typical) 500 μ s Channels A, B, C, D preprogrammed
- Maximum pulse length (typical) 1000 μ s Channels A, B, C, D preprogrammed



Titanium Mini Servo Motor

- Configuration Digital
- Operating speed (at 4.8 V) 0.047 s/60° without load
- Center position pulse length 760 μ s
- Stall Torque (at 4.8 V) 1.92 kg-cm
- Maximum pulse frequency 333 - 560 Hz
- Minimum pulse period 3000 μ s
- Minimum pulse length (typical) 500 μ s Channels A, B, C, D preprogrammed
- Maximum pulse length (typical) 1000 μ s Channels A, B, C, D preprogrammed



Medium Speed Servo Motor

- Configuration Digital
- Dead band 8 μ s
- Operating speed (at 4.8 V) 0.052 s/60° without load
- Center position pulse length 760 μ s
- Stall Torque (at 4.8 V) 2.1 kg-cm
- Maximum pulse frequency 560 Hz
- Minimum pulse period 1786 μ s
- Minimum pulse length (typical) 500 μ s Channels A, B, C, D preprogrammed
- Maximum pulse length (typical) 1000 μ s Channels A, B, C, D preprogrammed



Compact Titanium Gear High Speed Servo Motor

- Configuration Digital
- Dead band 8 μ s
- Operating speed (at 4.8 V) 0.034 s/60° without load
- Center position pulse length 760 μ s
- Stall Torque (at 4.8 V) 3.9 kg-cm
- Maximum pulse frequency 560 Hz
- Minimum pulse period 760 μ s
- Minimum pulse length (typical) 500 μ s Channels A, B, C, D preprogrammed
- Maximum pulse length (typical) 1000 μ s Channels A, B, C, D preprogrammed



Controller settings



All channels of the controller are preprogrammed for medium servo motors (parameters in EEPROM), by default time base 1 is used with all servo channels.

All channels are preprogrammed with factory default parameters. The time base values are changed to 3000 μ s. These parameters are saved to the EEPROM and if there is a need for modification, the parameters have to be re-saved with the command **save**. To restore the saved parameters, the command **restore** has to be sent to the controller.

Parameter	Value	Commands to set parameters	Commands to read parameters	Answer from controller	Factory default
Time base	1	ta=1 tb=1 tc=1 td=1	ta? tb? tc? td?	1 1 1 1	1 1 1 1
Period (t1) Period (t2) – not used	3000 μ s 3000 μ s	t1=3000 t2=3000	t1? t2?	3000 3000	2500 20000
Min pulse length	500 μ s	a=500 b=500 c=500 d=500	a? b? c? d?	499 499 499 499	499 499 499 499
Max pulse length	1000 μ s	A=1000 B=1000 C=1000 D=1000	A? B? C? D?	998 998 998 998	998 998 998 998
Power on time	200 ms	pta=200 ptb=200 ptc=200 ptd=200	pta? ptb? ptc? ptd?	200 200 200 200	200 200 200 200
Speed	max	lta=0 ltb=0 lta=0 ltd=0	lta? ltb? lta? ltd?	0 0 0 0	0 0 0 0

Servo Motor and controller settings

Servo motors for lens mount with counter weight for titanium and compact shutters

Extension cables

of 0,5 m, 1 m, or 2 m available



Options

- **Arms**

Different arm lengths (15 mm, 38 mm and 52 mm) for titanium and compact shutter



- **Double arms for mini shutters**

Optional for the wavelenghts to avoide reflexes, we offer shutters in aluminium sand blasted or mat black.



Beam Blockers for titanium and compact shutters



- Medium to high power without heat release.
- They can also be offered as static standalone units.



- High power with heat release