

XLA-1 Series

Fast and compact linear actuator



The XLA micro linear actuators are world class in terms of weight, size and precision. The actuator is driven by the Crossfixx[™] ultrasonic piezo motor, allowing an extremely compact design, variable speeds up to 400 mm/s and a total weight of less than 6 gram! The XLA-1 has an integrated encoder with a 1250, 312 or 78 nm resolution or open-loop. A wide range of rod lengths is available, allowing stroke lengths from 5 mm to 305 mm!

Key features

| | closed-loop | open-loop | | | | |
|-------------------|-----------------------------------|---|--|--|--|--|
| drive principle | patented Crossfixx™ ult | patented Crossfixx™ ultrasonic piezo technology | | | | |
| lifetime | > 600 km / typ. 12 million cycles | | | | | |
| operating voltage | 20 to 48 V | 12 V | | | | |
| controller | external XD-A controller required | integrated controller | | | | |

Model code structure

| actuator type | rod length (mm) | encoder resolution (nm) | FPC cable outlet (flexible printed cable) | | |
|------------------|---|----------------------------|---|--|--|
| | | -OPEN | | | |
| | 20 | -1250 | | | |
| | -20 | -312 | | | |
| | -20 -30 -40 -50 -60 -70 -80 -100 | -78 | | | |
| | -30 | | | | |
| | -40 | | | | |
| | -50 | | | | |
| | -60 | | | | |
| XLA-1 | -70 | | top side | | |
| | -80 | | | | |
| | -100 | same as for XLA-1-20 | | | |
| | -120 | | | | |
| | -140 | | | | |
| | ÷ | | | | |
| | -300 | | | | |
| | -320 | | | | |

Example: XLA-1-40-312

- L XLA-1 series linear actuator
- L Rod length of 40 mm
- Closed-loop actuator with integrated encoder with a resolution of 312 nm

| temperature range | -30°C to +70°C |
|-------------------------------|--------------------------------|
| humidity range | 20% to 90% RH (non-condensing) |
| heat dissipation (motor only) | < 1 W |

Motion performance

| | | | | XLA-1 | all rod leng | ıths | unit | tolerance |
|----------|-------------|---|--------|----------------|--------------|--------------------|------|-----------|
| | | | -1250 | -312 | -78 | Open-loop | | |
| LI | MITS | type | | - | | Optical | | |
| | | type | optic | al, incremer | ntal | | | |
| ER | | grating period | | 80 | | | μm | |
| ENCODER | resolution | | | 312 | 78 | no encoder | nm | |
| ENC | | index | 1 p | ber full strok | e | | | |
| | | accuracy | | ± 5 | | | μm | typ. |
| | positioning | resolution = min. step size = min. incremental motion (MIM) | 1250 | 350 | 80 | 50 – 100 µm | nm | typ. |
| ~ | ositi | unidirectional repeatability | ± 1250 | ± 350 | ± 80 | (pulsed operation) | nm | typ. |
| ACTUATOR | ā | bidirectional repeatability | ± 2500 | ± 700 | ± 160 | | nm | typ. |
| TUA | | max. speed | | 400 | | 1000 | mm/s | typ. |
| AC | ğ | min. speed | | 2 to 5 | | 10 | µm/s | typ. |
| | / speed | stability (at typical speed of 10 mm/s) | | ± 1 | | - | % | typ. |
| | | point-to-point positioning time for 0 g a 1 mm step* load | | 200 | | - | msec | typ. |

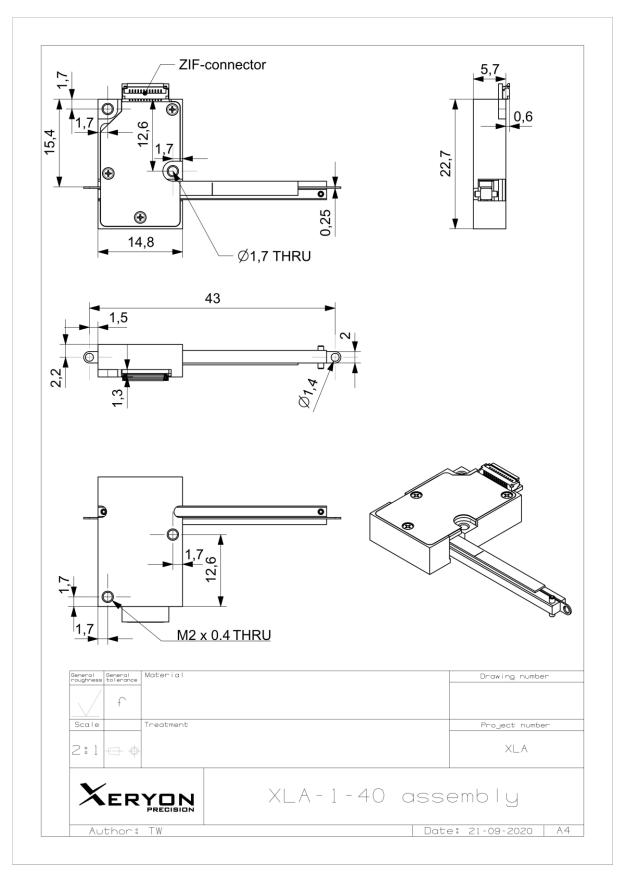
| | | XLA-1 | | | | | | | | | | | unit | tolerance | |
|-------------------------|-------------------|---|-----|-----|-----|-----|-----|-----------------------|------|------|------|-------|------|-----------|-------|
| rod length | -20 | -30 | -40 | -50 | -60 | -70 | -80 | -100 | -120 | -140 | -160 | -180 | -200 | mm | ± 0.1 |
| dimensions | 22.7 x 14.8 x 5.4 | | | | | | | | | | mm | ± 0.1 | | | |
| stroke/ travel range | 5 | 5 15 25 35 45 55 65 85 105 125 145 165 185 | | | | | | | | | mm | ± 0.1 | | | |
| mass | 5.5 | 5.9 | 6.3 | 6.7 | 7.1 | 7.5 | 7.9 | 8.7 | 9.5 | 10.3 | 11.1 | 11.9 | 12.7 | g | ± 5% |
| holding force | | | | | | | 1 | | | | | | | N | min. |
| driving force | | | | | | | 1 | | | | | | | Ν | min. |
| actuator materials | | anodised aluminium (housing) stainless steel (rod and housing cover) | | | | | | | | | | | | | |
| cable type | | | | | | | | 5 mm pito nm pitch | | | | | | | |

| | | | XL | A-1 | | | unit | tolerance |
|-------------------------|--------|------|----------|-----------|------|------|------|-----------|
| rod length | -220 | -240 | -260 | -280 | -300 | -320 | mm | ± 0.1 |
| dimensions | | | 22.7 x 1 | 4.8 x 5.4 | | • | mm | ± 0.1 |
| stroke/ travel range | 205 | 225 | 245 | 265 | 285 | 305 | mm | ± 0.1 |
| mass | 13.5 | 14.3 | 15.1 | 15.9 | 16.7 | 17.5 | g | ± 5% |
| holding force | | | | 1 | | • | N | min. |
| driving force | | | | 1 | | | N | min. |
| actuator materials | | | | | | | | |
| cable type | C C | | | | | | | |

The XLA-1 series actuators are compatible with all Xeryon controllers.

Controlling of the stage is done with:

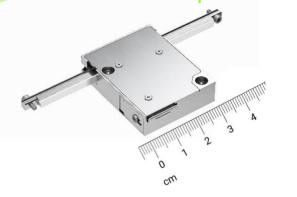
- Easy-to-use Windows interface
- LabVIEW interface program (compiled program or source)
- MATLAB interface script
- C++ and Python libraries



Last updated: 24/08/2021. All specifications are subject to change without prior notice.



XLA-3 Series Fast and compact linear actuator



The XLA micro linear actuators are world class in terms of weight, size and precision. The actuator is driven by the Crossfixx[™] ultrasonic piezo motor, allowing an extremely compact design, variable speeds up to 400 mm/s and a total weight of less than 36 gram! The XLA-3 has an integrated encoder with a 1250, 312 or 78 nm resolution or open-loop. A wide range of rod lengths is available, allowing stroke lengths from 10 mm to 300 mm! The open-loop version also comes with an integrated controller to make the whole setup even more compact.

Key features

| | closed-loop | open-loop |
|-------------------|--|---------------------------|
| drive principle | patented Crossfixx™ u | trasonic piezo technology |
| lifetime | > 1000 km / typ | . 20 million cycles |
| operating voltage | 20 to 48 V | 12 V |
| controller | external XD-A or XD-OEM controller required | integrated controller |

Model code structure

| actuator type | rod length (mm) | encoder resolution (nm) | FPC cable outlet (flexible printed cable) | | |
|------------------|--------------------|----------------------------|---|--|--|
| | -45 | -OPEN | | | |
| | | -1250 | | | |
| | | -312 | | | |
| | | -78 | | | |
| | -55 | | | | |
| | -65 | | | | |
| | -75 | | | | |
| XLA-3 | -85 | | top side | | |
| ALA 5 | -105 | | top side | | |
| | -125 | same as XLA-3-40 | | | |
| | -145 | | | | |
| | | | | | |
| | -285 | | | | |
| | -305 | | | | |
| | -325 | | | | |

Example: XLA-3-45-312

- L XLA-3 series linear actuator
- L Rod length of 45 mm
- L Closed-loop actuator with integrated encoder with a resolution of 312 nm

| temperature range | -30°C to +70°C |
|-------------------------------|--------------------------------|
| humidity range | 20% to 90% RH (non-condensing) |
| heat dissipation (motor only) | < 5 W |

Motion performance

| | | | | | XLA-: | 3 all rod len | gths | unit | tolerance |
|-----------------|--------------|---|------------|--------|----------------|---------------|-----------------------|------|-----------|
| | | | | -1250 | -312 | -78 | open-loop | | |
| LIN | LIMITS type | | | | | | optical | | |
| | | type | | opt | ical, increme | ntal | | | |
| ER | | grating period | | | 80 | | no encoder | μm | |
| ENCODER | c resolution | | | | 312 | 78 | + | nm | |
| Ň | | index | | 1 | per full strok | e | integrated controller | | |
| | | accuracy | | | ± 5 | | | μm | typ. |
| | ning | resolution = min. step size = min. incremental motion (MIM) | | 1250 | 350 | 80 | 50 – 100 µm | nm | typ. |
| | positioning | unidirectional repeatability | | ± 1250 | ± 350 | ± 80 | (pulsed operation) | nm | typ. |
| TOR | d | bidirectional repeatability | | ± 2500 | ± 700 | ± 160 | - | nm | typ. |
| ACTUATOR | | max. speed | | | 400 | | 1000 | mm/s | typ. |
| AC ⁻ | Ď | min. speed | | | 2 to 5 | | 10 | µm/s | typ. |
| | A | stability (at typical speed of 10 mm/s) | | | ± 1 | | - | % | typ. |
| | | point-to-point positioning time for a 1 mm step* | 0g Ioad | | 50 | | - | msec | typ. |

| | | | XLA-3 | | | | | | | | | | unit | tolerance |
|--|---|------|-------|------|------|------|------------|------|------|------|------|------|-------|-----------|
| rod length | rod length | | -55 | -65 | -75 | -95 | 105 | -125 | -145 | -165 | -185 | -205 | mm | ± 0.1 |
| dimensions | closed- loop | | 1 | | | 38 | x 30 x 9 | .1 | 1 | 1 | 1 | 1 | - mm | ± 0.1 |
| | open-loop | | | | | 38 | 8 x 30 x 1 | 2 | | | | | | ± 0.1 |
| stroke / trave | 10 | 20 | 30 | 40 | 60 | 70 | 90 | 110 | 130 | 150 | 170 | mm | ± 0.1 | |
| | closed- loop | 35.8 | 36.6 | 37.4 | 38.2 | 39.8 | 40.8 | 41.6 | 42.4 | 43.2 | 50 | 50.8 | - g | ± 5% |
| mass | open-loop | 37.0 | 37.8 | 38.6 | 39.4 | 50.8 | 51.2 | 52 | 52.8 | 53.6 | 54.4 | 55.2 | | |
| holding force | | 3 | | | | | | | | | | N | | |
| driving force | ng force | | | | | 3 | | | | | | N | | |
| actuator materials steel rod and stainless steel housing cover | | | | | | | | | | | | | | |
| cable type | type Closed loop version: FPC, 12 core, 0.5 mm pitch with opposite side contacts Open loop version: FPC, 14 core, 0.5 mm pitch with opposite side contacts | | | | | | | | | | | | | |

| | | | XLA-3 | | | | | | | | |
|--|---|--|-------|--------|---------|------|------|-------|---------|--|--|
| rod length | | -225 | -245 | -265 | -285 | -305 | -325 | mm | ± 0.1 | | |
| dimensions | closed- loop | | | 38 x 3 | 0 x 9.1 | | | mm | ± 0.1 | | |
| | open-loop | | | 38 x 3 | 0 x 12 | | | | 10.1 | | |
| stroke / trave | roke / travel range 190 210 230 250 270 290 | | | | | 290 | mm | ± 0.1 | | | |
| mass | closed- loop | 51.6 | 52.4 | 53 | 53.8 | 54.6 | 55.4 | g | ± 5% | | |
| made | open-loop | 56 | 56.8 | 57.6 | 58.4 | 59.2 | 60 | 9 | _ 0 / 0 | | |
| holding force | 1 | | | ; | 3 | | | Ν | | | |
| driving force | | | 3 | | | | | | | | |
| actuator materials aluminum (housing) steel rod and stainless steel housing cover | | | | | | | | | | | |
| cable type | | Closed loop version: FPC, 12 core, 0.5 mm pitch with opposite side contacts Open loop version: FPC, 14 core, 0.5 mm pitch with opposite side contacts | | | | | | | | | |

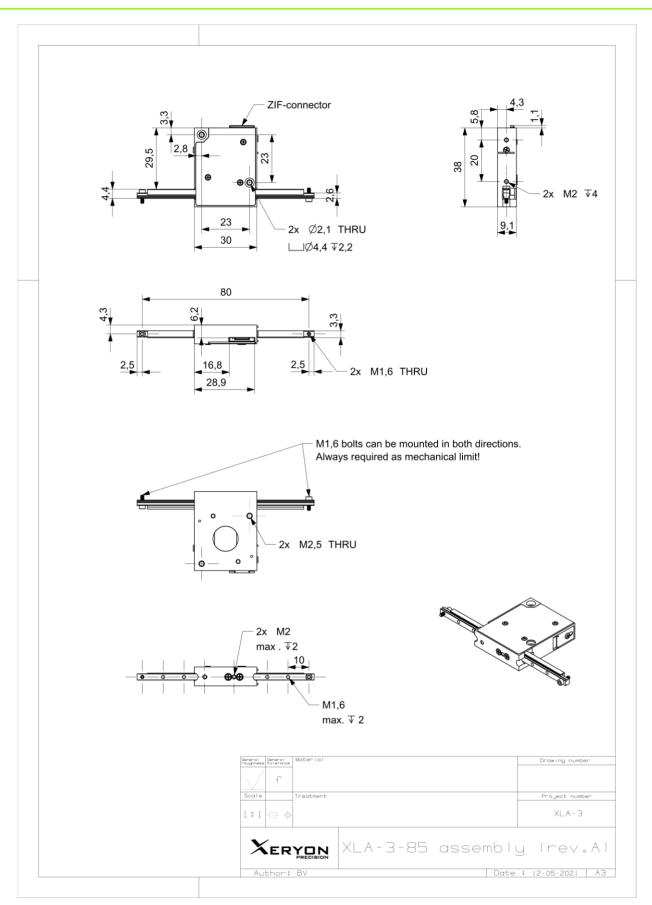
The XLA-3 closed-loop actuators are compatible with the XD-A Controller.

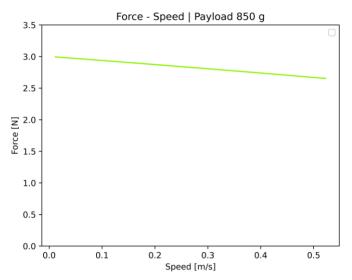
The XLA-3 open-loop actuators have a built-in controller.

Controlling of the stage is done with:

- Easy-to-use Windows interface
- LabVIEW interface program (compiled program or source)
- MATLAB interface script
- C++ and Python libraries

Drawing





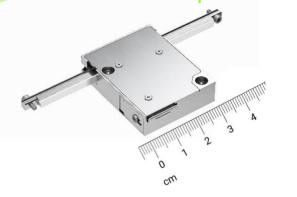
Typical force-speed diagram of an XLAs-3 stage with a payload of 850g.

Last updated: 04/08/2023. All specifications are subject to change without prior notice.

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XLA-5 Series Fast and compact linear actuator



The XLA micro linear actuators are world class in terms of weight, size and precision. The actuator is driven by the Crossfixx[™] ultrasonic piezo motor, allowing an extremely compact design, variable speeds up to 200 mm/s and a total weight of less than 36 gram! The XLA-5 has an integrated encoder with a 1250, 312 or 78 nm resolution or open-loop. A wide range of rod lengths is available, allowing stroke lengths from 10 mm to 300 mm! The open-loop version also comes with an integrated controller to make the whole setup even more compact.

Key featuress

| | closed-loop | open-loop |
|-------------------|---|--------------------------|
| drive principle | patented Crossfixx™ ult | rasonic piezo technology |
| lifetime | > 1000 km / typ. | 20 million cycles |
| operating voltage | 20 to 48 V | 12 V |
| controller | external XD-A or XD-OEM controller required | integrated controller |

Model code structure

| actuator type | rod length (mm) | encoder resolution (nm) | FPC cable outlet (flexible printed cable) |
|------------------|--------------------|----------------------------|--|
| | -45 | -OPEN | |
| | - | -1250 | |
| | | -312 | |
| | | -78 | |
| | -55 | | |
| | -65 | | |
| | -75 | | |
| XLA-5 | -85 | | top side |
| ALA-J | -105 | | top side |
| | -125 | same as XLA-5-40 | |
| | -145 | | |
| | | | |
| | -285 | | |
| | -305 | | |
| | -325 | | |

Example: XLA-5-45-312

- L XLA-5 series linear actuator
- L Rod length of 45 mm
- L Closed-loop actuator with integrated encoder with a resolution of 312 nm

| temperature range | -30°C to +70°C |
|-------------------------------|--------------------------------|
| humidity range | 20% to 90% RH (non-condensing) |
| heat dissipation (motor only) | < 5 W |

Motion performance

| | | | | | XLA- | 5 all rod len | gths | unit | tolerance |
|----------|-------------|---|--|--------|----------------|---------------|-----------------------|------|-----------|
| | | | | -1250 | -312 | -78 | open-loop | | |
| LIN | IITS | type | | | | | optical | | |
| | | type | | opt | ical, increme | ntal | | | |
| ER | | grating period | | | 80 | | no encoder | μm | |
| ENCODER | | resolution 1250 312 78 | | | | 78 | + | nm | |
| Ň | | index | | 1 | per full strok | e | integrated controller | | |
| | | accuracy | | | ± 5 | | | μm | typ. |
| | positioning | resolution = min. step size = min. incremental motion (MIM) | | 1250 | 350 | 80 | 50 – 100 µm | nm | typ. |
| | sitio | unidirectional repeatability | | ± 1250 | ± 350 | ± 80 | (pulsed operation) | nm | typ. |
| TOR | d | bidirectional repeatability | | ± 2500 | ± 700 | ± 160 | - | nm | typ. |
| ACTUATOR | | max. speed | | | 200 | | 500 | mm/s | typ. |
| AC | p | min. speed | | | 2 to 5 | | 10 | µm/s | typ. |
| | speed | stability (at typical speed of 10 mm/s) | | | ± 1 | | - | % | typ. |
| | | point-to-point positioning time for a 1 mm step* | | 50 | | - | msec | typ. | |

| | | | XLA-5 | | | | | | | | | | unit | tolerance |
|----------------|-----------------|---|-------|------|------|------|--------------------|------|------|------|------|------|-------|-----------|
| rod length | | -45 | -55 | -65 | -75 | -95 | 105 | -125 | -145 | -165 | -185 | -205 | mm | ± 0.1 |
| dimensions | closed- loop | | • | • | • | 38 | x 30 x 9 | .1 | | • | • | • | mm | ± 0.1 |
| | open-loop | | | | | 38 | x 30 x 1 | 2 | | | | | | ± 0.1 |
| stroke / trave | 10 | 20 | 30 | 40 | 60 | 70 | 90 | 110 | 130 | 150 | 170 | mm | ± 0.1 | |
| mass | closed- loop | 35.8 | 36.6 | 37.4 | 38.2 | 39.8 | 40.8 | 41.6 | 42.4 | 43.2 | 50 | 50.8 | g | ± 5% |
| mass | open-loop | 37.0 | 37.8 | 38.6 | 39.4 | 50.8 | 51.2 | 52 | 52.8 | 53.6 | 54.4 | 55.2 | | |
| holding force | | | 5 | | | | | | | | | | N | |
| driving force | | | | | | | 5 | | | | | | N | |
| actuator mate | | aluminum (housing) steel rod and stainless steel housing cover | | | | | | | | | | | | |
| cable type | | | | | | | , 0.5 mm 0.5 mm | | | | | | | |

| | | | | unit | tolerance | | | | |
|--|---|------|------|--------|-----------|------|------|----|-------|
| rod length | | -225 | -245 | -265 | -285 | -305 | -325 | mm | ± 0.1 |
| dimensions | closed- loop | | | 38 x 3 | 0 x 9.1 | | | mm | ± 0.1 |
| amenoiono | open-loop | | | 38 x 3 | 0 x 12 | | | | 2 0.1 |
| stroke / trave | stroke / travel range 190 210 230 250 2 | | | | | 270 | 290 | mm | ± 0.1 |
| mass | closed- loop | 51.6 | 52.4 | 53 | 53.8 | 54.6 | 55.4 | g | ± 5% |
| made | open-loop | 56 | 56.8 | 57.6 | 58.4 | 59.2 | 60 | 9 | |
| holding force | 1 | | Ν | | | | | | |
| driving force | | | | Ę | 5 | | | Ν | |
| actuator materials aluminum (housing) steel rod and stainless steel housing cover | | | | | | | | | |
| cable type Closed loop version: FPC, 12 core, 0.5 mm pitch with opposite side contacts Open loop version: FPC, 14 core, 0.5 mm pitch with opposite side contacts | | | | | | | | | |

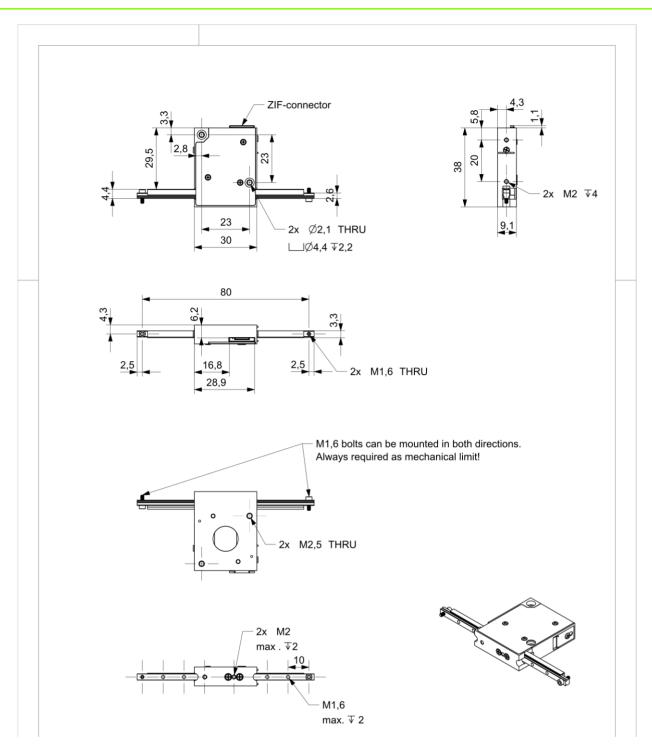
The XLA-5 $\ensuremath{\text{closed-loop}}$ actuators are compatible with the $\ensuremath{\text{XD-A}}$ Controller.

The XLA-5 open-loop actuators have a built-in controller.

Controlling of the stage is done with:

- Easy-to-use Windows interface
- LabVIEW interface program (compiled program or source)
- MATLAB interface script
- C++ and Python libraries

Drawing



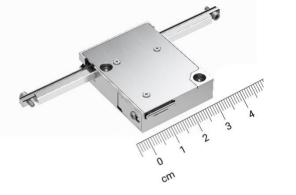
Last updated: 14/06/2023. All specifications are subject to change without prior notice.

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XLA-10 Series

Fast and compact linear actuator



The XLA micro linear actuators are world class in terms of weight, size and precision. The actuator is driven by the Crossfixx[™] ultrasonic piezo motor, allowing an extremely compact design, variable speeds up to 200 mm/s and a total weight of less than 36 gram! The XLA-10 has an integrated encoder with a 1250, 312 or 78 nm resolution or open-loop. A wide range of rod lengths is available, allowing stroke lengths from 10 mm to 300 mm! The open-loop version also comes with an integrated controller to make the whole setup even more compact. The design of the XLA-10 allows it to be **stackable**, this way actuators can be placed very closely to each other.

Key featuress

| | closed-loop | open-loop | | | | |
|-------------------|---|-----------------------|--|--|--|--|
| drive principle | patented Crossfixx™ ultrasonic piezo technology | | | | | |
| lifetime | > 1000 km / typ. 20 million cycles | | | | | |
| operating voltage | 48 V | 12 V | | | | |
| controller | XD-OEM controller required | integrated controller | | | | |

Model code structure

| actuator type | rod length (mm) | encoder resolution (nm) | FPC cable outlet (flexible printed cable) |
|------------------|--------------------|----------------------------|---|
| | -55 | -OPEN | |
| | | -1250 | |
| | | -312 | |
| | | -78 | |
| | -70 | | |
| | -85 | | |
| | -100 | | |
| XLA-10 | -115 | | top side |
| ALA IU | -130 | | |
| | -145 | same as XLA-10-55 | |
| | -160 | | |
| | | | |
| | -295 | | |
| | -310 | | |
| | -325 | | |

Example: XLA-10-45-312

- L XLA-10 series linear actuator
- Rod length of 45 mm
- L Closed-loop actuator with integrated encoder with a resolution of 312 nm

| temperature range | -30°C to +70°C |
|-------------------------------|--------------------------------|
| humidity range | 20% to 90% RH (non-condensing) |
| heat dissipation (motor only) | < 10 W |
| internal operation voltage | < 100 V |

Motion performance

| | | | | | XLA-1 | 0 all rod ler | ngths | unit | tolerance |
|----------|-------------|---|------------|--------|---|---------------|--------------------|----------|-----------|
| | | | | -1250 | -312 | -78 | open-loop | | |
| LIN | NITS | type | | | | | optical | | |
| | | type | | opt | ical, increme | ntal | | | |
| Ц | | grating period | | | 80 | | no encoder | μm | |
| ENCODER | | resolution | 1250 | 312 | 78 | + | nm | | |
| Ш | | index | | 1 | 1 per full stroke integrated controller | | | | |
| | | accuracy | | | ± 5 | | | μm | typ. |
| | positioning | resolution = min. step size = min. incremental motion (MIM) | | 1250 | 350 | 80 | – 50 – 100 µm | nm | typ. |
| | sitic | unidirectional repeatability | | ± 1250 | ± 350 | ± 80 | (pulsed operation) | nm | typ. |
| | d | bidirectional repeatability | | ± 2500 | ± 700 | ± 160 | | nm | typ. |
| К | | max. speed | | 200 | | | 500 | mm/s | typ. |
| JATO | | min. speed | | | 2 to 5 | | 10 | µm/s | typ. |
| ACTUATOR | speed | stability (at typical speed of 10 mm/s) | | | ± 1 | | - | % | typ. |
| | spi | point-to-point positioning time for a 1 mm step* | 0g load | | 50 | | - | msec | typ. |
| | | max. acceleration | | | 400 | • | m/s² | typ. | |
| | | operation duty cycle | | | | 50 120 | | % sec | max. |

| | | | XLA-10 | | | | | | | | | | unit | tolerance |
|---|--|------|--------|------|------|------|-----------|------|------|------|------|------|-------|-----------|
| rod length | | -55 | -70 | -85 | -100 | -115 | -130 | -145 | -160 | -175 | -190 | -205 | mm | ± 0.1 |
| dimensions | closed- loop | | | | | 43 | x 30 x 11 | .5 | | | | | mm | ± 0.1 |
| | open-loop | | | | | 43 | x 30 x 14 | 1.5 | | | | | | |
| stroke / trave | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | mm | ± 0.1 | |
| mass | closed- loop | 54.9 | 56.3 | 57.7 | 59.1 | 60.6 | 62.1 | 63.7 | 65.3 | 66.9 | 68.6 | 70.3 | - g | ± 5% |
| mass | open-loop | 56.1 | 57.5 | 58.9 | 60.3 | 61.8 | 63.3 | 64.9 | 66.5 | 68.1 | 69.8 | 71.5 | | |
| holding force | | | 10 | | | | | | | | | | N | |
| driving force | | | | | | | 10 | | | | | | N | |
| actuator mate | actuator materials aluminum (housing) steel rod and stainless steel housing cover | | | | | | | | | | | | | |
| cable type Closed loop version: FPC, 12 core, 0.5 mm pitch with opposite side contacts Open loop version: FPC, 14 core, 0.5 mm pitch with opposite side contacts | | | | | | | | | | | | | | |

| | ļ | 1 | | | XL/ | A-10 | | | | unit | tolerance |
|----------------|--|------|------|------|---------|----------|------|------|------|------|-----------|
| rod length | | -220 | -235 | -250 | -265 | -280 | -295 | -310 | -325 | mm | ± 0.1 |
| dimensions | closed- loop | | · | L | 43 x 30 | 0 x 11.5 | L | | | mm | ± 0.1 |
| | open-loop | | | | | 10.1 | | | | | |
| stroke / trave | I range | 180 | 195 | 210 | 225 | 240 | 255 | 270 | 285 | mm | ± 0.1 |
| mass | closed- loop | 72.0 | 73.8 | 75.7 | 77.6 | 79.5 | 81.5 | 83.5 | 85.6 | g | ± 5% |
| mass | open-loop | 73.2 | 75 | 76.9 | 78.8 | 80.7 | 82.7 | 84.7 | 86.8 | 9 | ± 070 |
| holding force | , | | 10 | | | | | | | | |
| driving force | | 1 | | | 1 | 10 | | | | Ν | |
| actuator mate | actuator materials aluminum (housing) steel rod and stainless steel housing cover | | | | | | | | | | |
| cable type | | | | | | | | | | | |

The XLA-10 closed-loop actuators are compatible with the XD-OEM Controller.

The XLA-10 open-loop actuators have a built-in controller.

Controlling of the stage is done with:

- Easy-to-use Windows interface
- LabVIEW interface program (compiled program or source)
- MATLAB interface script
- C++ and Python libraries

Last updated: 24/11/2023. All specifications are subject to change without prior notice.

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