

# X HAPTICORE Technology Demonstrator

|                                   |   |
|-----------------------------------|---|
| <b>Diameter:</b>                  | Actuator: 34.5 mm<br>Base: 52.5 mm                |
| <b>Height:</b>                    | 45 mm   |
| <b>Weight:</b>                    | Actuator: 169 g<br>Total: 265 g                   |
| <b>Mechanical Connection</b>      | Threaded connection points: 3 on top, 5 on bottom |
| <b>Start of serial production</b> | Q2 2020   |



## » HAPTICORE

|                                |   |
|--------------------------------|---|
| <b>Base torque:</b>            | 30 mNm  |
| <b>Max torque:</b>             | 40 mNm  |
| <b>Angular resolution:</b>     | ~ 0,004°                                      |
| <b>Sensor resolution:</b>      | Internally up to 90112 steps per revolution   |
| <b>Electrical connection:</b>  | USB, UART <small>(after modification)</small> |
| <b>Communication protocol:</b> | .NET Library or UART protocol                 |
| <b>Push function:</b>          | Yes   |

|                             |   |
|-----------------------------|---|
| <b>Supply voltage:</b>      | + 12 V  |
| <b>Max supply current:</b>  | 750 mA  |
| <b>Static dissipation:</b>  | 0,5 W   |
| <b>Dynamic dissipation:</b> | Fine tick: 0,1 W<br>Medium tick: 0,4 W<br>Max torque: 2,2 W |
| <b>Temperature range:</b>   | 0° - 70° C  |
| <b>Lighting:</b>            | 7 RGB LEDs  |

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# X HAPTICORE Technology Demonstrator



## DIMENSIONS:

> Actuator:

∅ 14 mm  
Length: 30 mm

> Casing (L/W/H):

81 / 75 / 20 mm

Weight:

Actuator: 20 g  
Total: 155 g

Start of serial production:

Q4 2020

## » HAPTICORE mini

|                         |   |
|-------------------------|---|
| Base torque:            | 1 mNm   |
| Max torque:             | 40 mNm  |
| Angular resolution:     | ~ 0,022°                                      |
| Sensor resolution:      | Internally up to 90112 steps per revolution   |
| Electrical connection:  | USB, UART <small>(after modification)</small> |
| Communication protocol: | .NET Library or UART protocol                 |

|                      |  |
|----------------------|--|
| Supply voltage:      | + 5 V / USB  |
| Max supply current:  | 120 mA   |
| Static dissipation:  | 0,5 W  |
| Dynamic dissipation: | Fine tick: 0,55 W<br>Medium tick: 0,7 W<br>Max torque: 2,2 W |
| Temperature range:   | 0° - 70° C   |

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