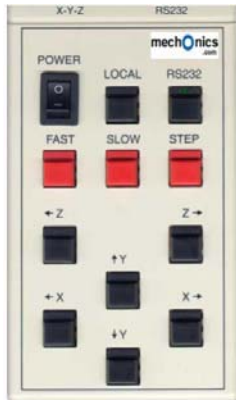


**CN 30****Controller for Piezo Electric Inertial Motors****Specifications**

- Special design for piezo driven step motor
- works with batteries or external power supply
- operates up to 3 axes
- customized designs possible
- USB-interface optionally

**Application Examples**

- Micro-/Nano Technology
- Bio Technology
- Microscopy
- Quality Control
- Metrology
- R & D

**Technical Data**

Power supply: 4 x round cell LR6  
(Alkaline ~ 2000 mAh)  
and  
portable power supply  
in: 100 – 240 V  
out: 6 VDC with user-plug  
Ø 5.5/2.1 mm

Operation modes: "Local" with keyboard  
(current consumption ~ 20 µA)  
"Remote" with RS 232-Interface  
(current consumption ~6 mA incl.  
LED)  
change switch for both modes on  
keyboard

Connections: 9pin Sub D-connector (male)  
9pin Sub D-connector (female)  
2pin Socket (female)

Speed modes: "Fast"  
"Slow" ("Fast"/2)  
"Single step"

Step modes: "Full step"  
"Half step" ("full step"/2)  
"Double step" ("full step" x 2)

RS 232-interface to the internal controller

Connection: 9pin Sub D-connector (male)  
Data rate: 19200 Baud

Software for PC

- for DOS, Win 95, Win 2000, Win XP and Win NT:  
executable software with action  
buttons (similar to the stand-alone  
keyboard)

- for use with own programs:  
Borland Pascal Unit (DOS)  
DLL for Windows

Mass: 340 g incl. batteries

Dimensions: 157 x 99 x 39 mm

Delivery includes: - miniature power supply  
- 4 x round cell LR6  
- RS 232 connecting cable

**CN 30 Controller**

**Part no.**

**CN.030.0001**

## CK 25/30

## Connecting Cables for Piezo Electric Inertial Drives

| Part-no.    | Description  | Connections  | Length |
|-------------|--|--|--------|
| CK.025.0002 | connecting cable for<br>1 x MT 25 (standard)                               | 9pin Sub D-connector (male)<br>to 3pin inline plug | 1 m    |
| CK.025.0003 | connecting cable for 1 x MK 25<br>or 1 x MX 25/35 (standard)               | 9pin Sub D-connector (male)<br>to 4pin inline plug | 1 m    |
| CK.025.1002 | connecting cable for<br>1 x MT 25 (open wire)                              | 9pin Sub D-connector (male)<br>to 3 open wires     | 1 m    |
| CK.025.1003 | connecting cable for 1 x MK 25<br>or 1 x MX 25/35 (open wire)              | 9pin Sub D-connector (male)<br>to 4 open wires     | 1 m    |
| CK.025.1092 | vacuum connecting cable for<br>1 x MT 25 (open wire)                       | open wire<br>to 3pin inline plug                   | 1 m    |
| CK.025.1093 | vacuum connecting cable for<br>1 x MK 25 or 1 x MX 25/35<br>(open wire)    | open wire<br>to 4pin inline plug                   | 1 m    |
| CK.030.0001 | connecting cable for<br>1 x MS 30<br>(for closed loop controller CU 30 CL) | 1 MMCX-plug<br>to 1 MMCX-plug                      | 1 m    |
| CK.030.0003 | connecting cable for<br>up to 3 x MS 30<br>(standard)                      | 9pin Sub D-connector (male)<br>to 3 MMCX-plugs     | 1 m    |
| CK.030.1003 | connecting cable for<br>up to 3 x MS 30<br>(open wire)                     | 9pin Sub D-connector (male)<br>to 3 open wires     | 1 m    |
| CK.030.1091 | vacuum connecting cable<br>for 1 x MS 30<br>(open wire)                    | open wire<br>to 1 MMCX-plug (up to $10^{-9}$ mbar) | 1 m    |
| CK.030.USBU | RS 232 – USB Transformer<br>(only applicable with CN 30)                   | 9pin Sub D-connector (male)<br>to USB A – plug     | 1 m    |
| CK.030.USB0 | USB connecting cable   | USB A – to USB B connectors                        | 1.8 m  |

For vacuum connections please ask with detailed technical specifications.