

CF 30

USB-Controller for Piezo Electric Inertial Drives



CF 30 (for three axes)

Specifications

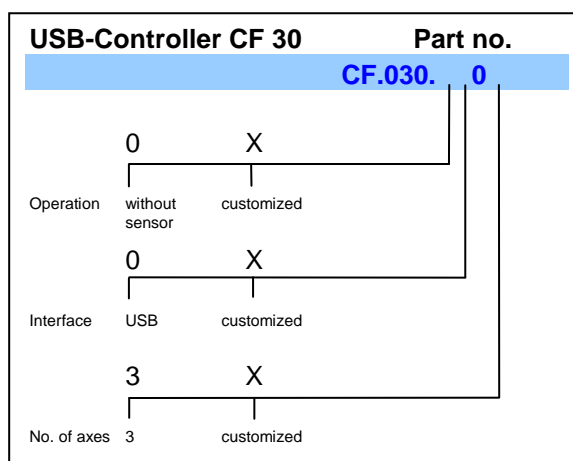
- Special design for piezo driven inertial motors
- Works with USB-voltage only (one axis move at the same time)
- Works with an additional power supply (simultaneous move off three axes possible)
- Auto detection of the power supply
- Operates up to 3 axes
- Plain text ASCII commands for easy integration in your own environment
- Drivers for many operating systems
- Every full step has 64 micro steps
- Special wave forms for smooth movement
- customized designs possible (interfaces or number of axes)

Technical Data

Power supply:	USB-interface (one axis) or portable power supply in: 100 – 240 V out: 6 VDC with user-plug
Interface (host):	Via USB 1.1 Via USB 2.0 (Full speed)
Interface (client):	USB to serial converter FT232R from FTDI (www.ftdichip.com)
Connections:	Stage: 9pin Sub D-connector (female) PC: USB Type B socket (USB 1.1)
Speed modes:	-32767 to 32767 (0 to about 1.5 mm/s) Sawtooth voltage (0 to 3.1 KHz) Up to 800 commands/s
Software for PC - for	Win XP and Vista (32 bit): Executable software with GUI
- for use with own programs:	Drivers from FTDI: Future Technology Devices International Ltd. Plain text ASCII commands FTDI Drivers for Windows, Linux, Mac OS X,
Mass:	about 195 g
Dimensions:	118 x 86 x 26 mm (L x W x H)
Delivery includes:	USB connecting cable (CK.030.USB0) Power supply (for 3 axes)

Application Examples

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



CK 25/30

Connecting Cables for Piezo Electric Inertial Drives

Part-no.	Description	Connections	Length
CK.025.0002	connecting cable for 1 x MT 25 (standard)	9pin Sub D-connector (male) to 3pin inline plug	1 m
CK.025.0003	connecting cable for 1 x MK 25 or 1 x MX 25/35 (standard)	9pin Sub D-connector (male) to 4pin inline plug	1 m
CK.025.1002	connecting cable for 1 x MT 25 (open wires)	9pin Sub D-connector (male) to 3 open wires	1 m
CK.025.1003	connecting cable for 1 x MK 25 or 1 x MX 25/35 (open wires)	9pin Sub D-connector (male) to 4 open wires	1 m
CK.025.1062	vacuum connecting cable (up to 10^{-6} mbar) for 1 x MT 25 (open wires)	3pin inline plug to 3pin inline plug	1 m
CK.025.1063	vacuum connecting cable (up to 10^{-6} mbar) for 1 x MK 25 or 1 x MX 25/35 (open wires)	4pin inline plug to 4pin inline plug	1 m
CK.025.1092	vacuum connecting cable (up to 10^{-9} mbar) for 1 x MT 25 (open wires)	3pin inline plug to directly mounting to MT 25	1 m
CK.025.1093	vacuum connecting cable (up to 10^{-9} mbar) for 1 x MK 25 or 1 x MX 25/35 (open wires)	4pin inline plug to directly mounting to MX 25/35	1 m
CK.030.0001	connecting cable for 1 x MS 30 (for closed loop controller CU 30 CL)	1 MMCX-plug (angled) to 1 MMCX-plug (angled)	1 m
CK.030.0001.3m	connecting cable for 1 x MS 30 (for closed loop controller CU 30 CL)	1 MMCX-plug (angled) to 1 MMCX-plug (angled)	3 m
CK.030.0003	connecting cable for up to 3 x MS 30 (standard)	9pin Sub D-connector (male) to 3 MMCX-plugs (angled)	1 m
CK.030.0003.2m	connecting cable for up to 3 x MS 30 (standard)	9pin Sub D-connector (male) to 3 MMCX-plugs (angled)	2 m
CK.030.0003.3m	connecting cable for up to 3 x MS 30 (standard)	9pin Sub D-connector (male) to 3 MMCX-plugs (angled)	3 m
CK.030.1061	vacuum connecting cable (up to 10^{-6} mbar) for 1 x MS 30 (open wires)	2pin inline plug to 1 MMCX-plug	1 m
CK.030.1091	vacuum connecting cable (up to 10^{-9} mbar) for 1 x MS 30 (open wires)	2pin inline plug to directly mounting to MS 30	1 m
CK.030.USBU	RS 232 – USB Transformer (only applicable with CN 30)	9pin Sub D-connector (male) 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.