



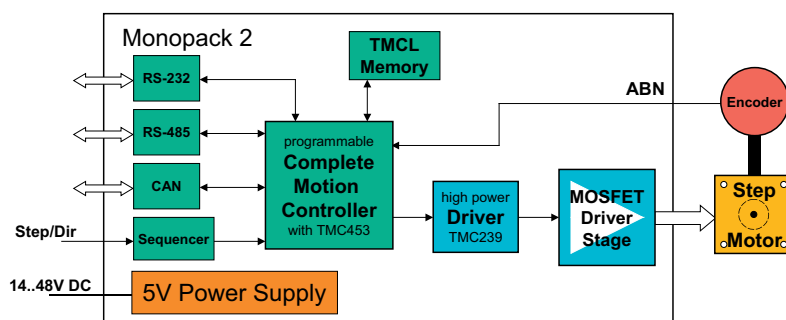
MONOPack 2

Closed Loop Controller / Driver 3.5A / 48V with CAN / RS485 / RS232

The **MONOPack 2** is a highly integrated stepper motor controller unit in a small and robust housing. It provides a high motor power and dynamics. A variety of control interfaces and protocols provide a simple means of remote control or stand alone functionality for all purposes. Its optional incremental encoder feedback and a number of protection features makes drives very dependant and reliable.

A Windows 95/98/ME/NT/2000/XP based PC software is supplied to explore the possibilities of the MONOPack 2 and to program its stand-alone functionality using simple TMCL commands.

In terms of software and current settings the new MONOPack 2 is fully compatible to the old MONOPack and MONOPack Lt while providing a number of enhanced features.



Electrical data

- up to 3.5A RMS coil current (5A peak)
- supply voltage 12V to 48V
- up to 406 times microstepping

Supported motors

- two-phase bipolar motors with 1A to 3.5A coil current
- optional incremental encoder (2 or 3 channel)

Interface

- CAN, RS485 and RS232 and step / direction (differential)
- I/Os: Limit and reference switch inputs
- incremental encoder input

Features

- highly dynamic and fast response drive
- automatic S-shaped ramp generation
- closed loop for exact position maintenance or positioning check / retry
- fully protected driver

Software

- 3 Firmware modes:
 - TMCL based stand-alone mode
 - ASCII terminal mode
 - MONOPack and Lt compatibility mode
- comes with PC-based demonstration and application development software

Other

- Pluggable screw terminal connectors for all signals
- for medical applications only (no RoHS)
- size: 132 x 130 x 45mm³

ORDER CODE	DESCRIPTION
TMC MONOPack 2	motor controller / driver unit with encoder feedback

For further detailed information and datasheets please refer to our website <http://www.trinamic.com>.