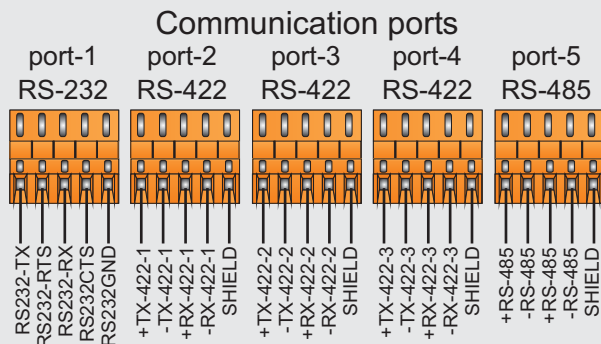
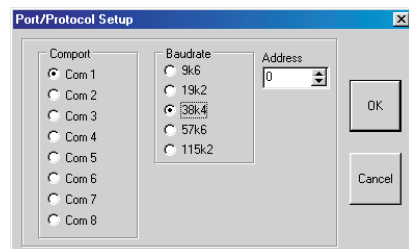
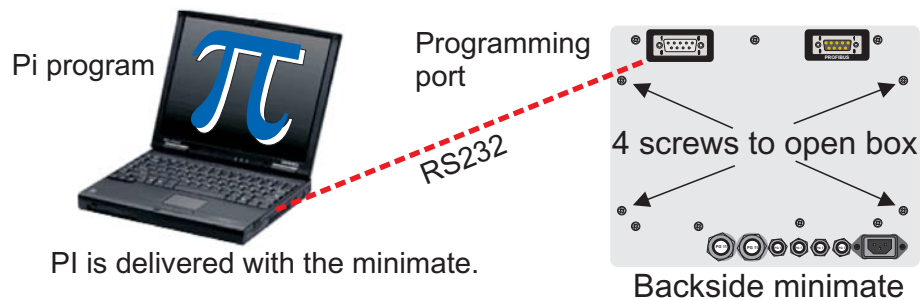




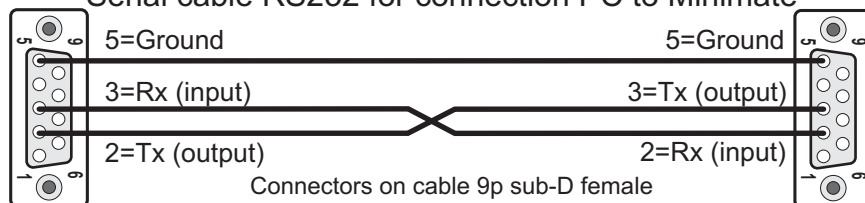
Select a protocol for the communication menu in the port setup menu. Press menu-key >3 seconds, select menu "port setup". Select a port, select a protocol and set the baudrate and/or address. Port-5 is defined as the Penko Link protocol to connected up to 8 devices.

**PROFI** Profibus DP port is optional and when available mounted at backside of Minimate.



Copy the program file PI.exe in a new map. Start the program PI.exe. Select Comport in the menu Enviroment. Select a communication port of the PC and select the communication of 38k4. All data like programs, labels etc. will be stored in the map where you start PI.

Serial cable RS232 for connection PC to Minimate



Box contains:

- \* MiniMate
- \* EURO cable
- \* Rubber seal
- \* Drilling drawing
- \* CD rom with manuals en software

Penko Engineering B.V. Wageningselaan 52-54, 3903 LA Veenendaal, Postbus 399, 3900 AJ Veenendaal.  
Telephone: 0031(0)318 525630\*, e-mail: info@penko.com Web-site: www.penko.com FAX: 0031(0)318 529715,  
Bank: Mees Pierson Rotterdam nr.25.67.24.601, Postgiro v/d Bank: 6400, K.v.K. Utrecht nr. 67751.



Update BA  
12-12-2003



# MiniMate Quick Start

- 1 Keyboard / Front explanation (1)
- 2 Keyboard / Front explanation (2)/ Board layout
- 3 Board layout
- 4 Loadcell connections
- 5 I/O connections
- 6 Communication ports
- 7 Programming software

For more information see the manual on the CD rom

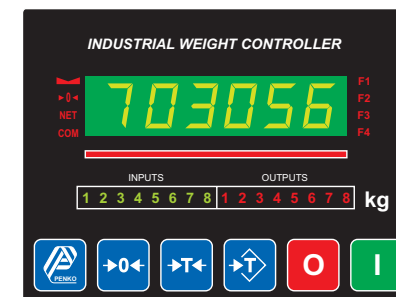
## Keyboard / Front explanation (1)

1

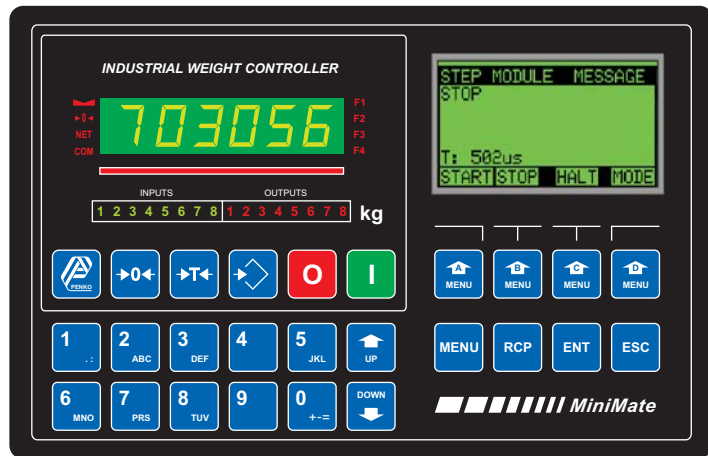
- : Stable
- : Zero
- NET** : Nett value
- COM** : Indicator selected
- F1...F4** : not defined

- : Zero/Reset zero\*\*
- : Tare/Reset tare\*\*
- : Preset tare
- : Stop program
- : Start program

\*\*To enter 2nd function press key >3 sec



In- & Output status



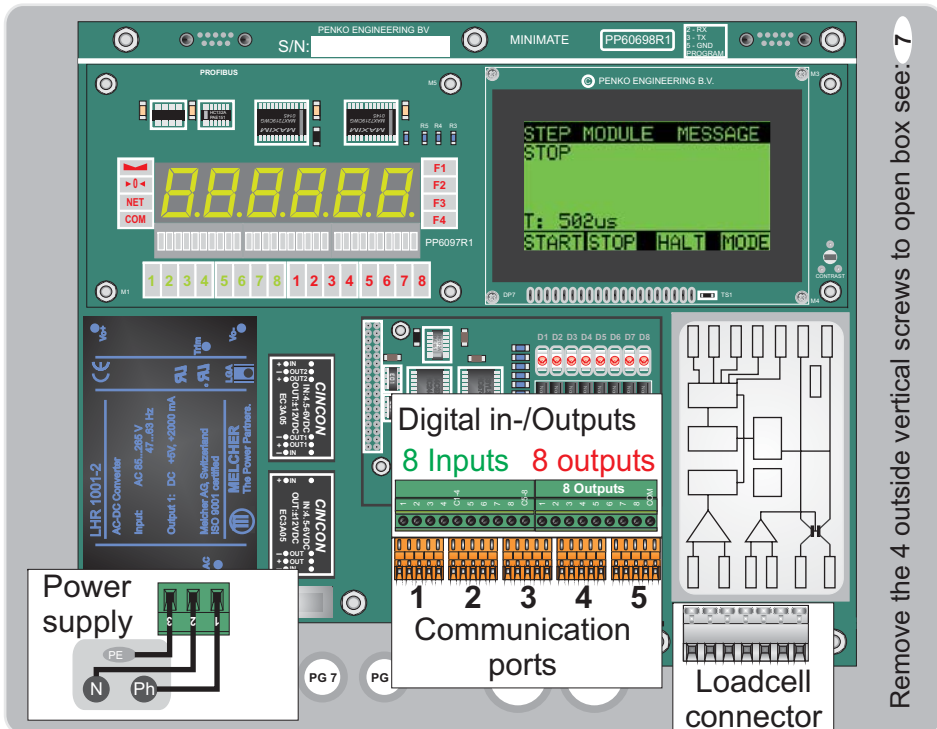
Alpha-numeric keyboard  
to edit values and labels

\*\*To enter 2nd function  
press key >3 sec

: Display function keys

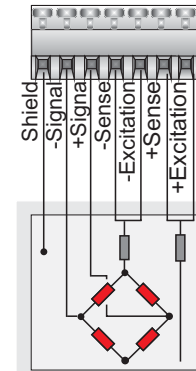
: Select program/Setup\*\*

: Select recipe/Configuration\*\*



Remove the 4 outside vertical screws to open box see: 7

## Loadcell connections

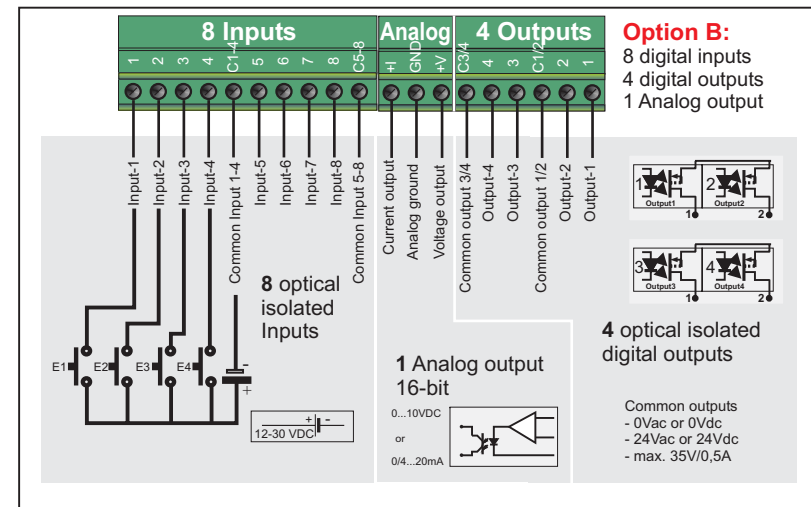
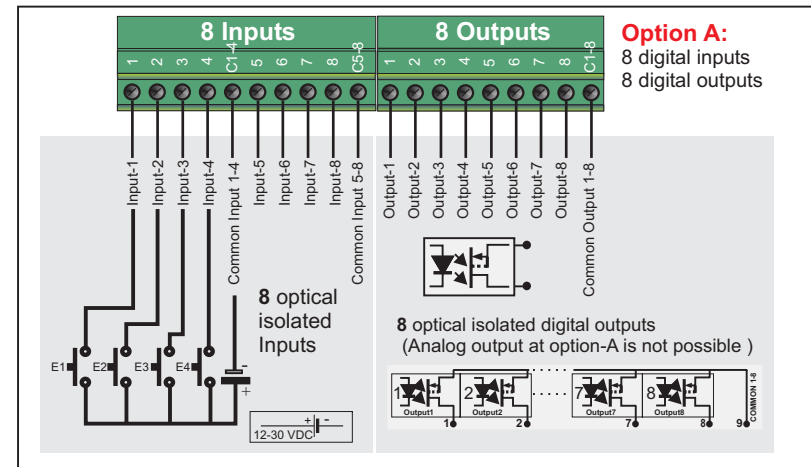


## 6-Wire loadcell

when using loadcells with 4 wire strain gauge cabling, make the following connections at the minimize:

the + Excitation with + Sense  
the - Excitation with - Sense.

## Digital In-/Outputs/Analog output



The minimize has 2 options for I/O modules:  
Option-A: 8 inputs, 8 outputs  
Option-B: 8 inputs, 4 outputs, 1 analog output