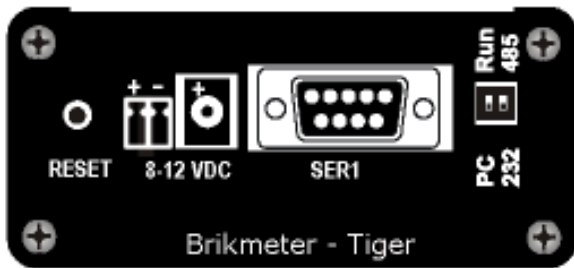


BRIKMETER – Tiger Connections

BRIKMETER - Tiger, has been developed for applications needing to access and control rotary encoders through RS-232 serial port. Its basic design is based on Basic Tiger™ microcontroller family. A rotary encoder providing A, B quadrature signals using 8-12VDC voltage as power input can be connected to the smart counter unit.

Its aluminum casing provides additional immunity to electromagnetic interference in addition to excellent mechanical strength. For a reliable setup, all connected peripherals need to have proper groundings and static dis-charge connections.



Typical power supply for the Brikmeter is 12VDC. It is normally delivered with an adaptor. Polarities (+/-) of the DC adaptor should be connected as shown in the picture given on the left. "Ser1" port and is used by Lima for software upgrade purposes. Binary switches need to be kept in "Run" and "232" positions. They are normally covered in order to protect against possible mistakes. "Reset" is used to re-start the unit.

All input-output signals are available on a male DB25 connector. Encoder signals and RS-232 (serial communication) port are also located on this connector as shown below:

Connection	Brikmeter - Tiger	Diagram
Encoder : Signal A	14 (DG #1)	
Encoder : Signal B	01 (DG #2)	
Encoder : +VDC	13 (DÇ - VCC)	
Encoder : -(GND)	03 (DG GND)	
Encoder : Ground Short Circuit	21 (GND) – 03 (DG GND)	
Serial Communication : RX	17 (C0-TX)	
Serial Communication : TX	18 (C0-TX)	
Serial Communication : GND	21 (GND)	
Serial Communication : Handshake shortcut	19 (C0 -RS) – 20 (C0- CS)	

The default application loaded on BRIKMETER-Tiger is called TBRIK214 and can be changed by Lima to support different communication protocols and additional hardware features.