

PI-RAC, RS-232 Hardware Interface.

Hardware Interface for Connection
Between the PI-M and an RS-232
COMMS Port of a Computer Terminal.

Features of PI-RAC.

- Operates From Single PI-M 5Vdc Supply.
- Meets All RS-232 and V.28 Specifications.
- No Other Hardware Required.



The PI-RAC is a line driver / receiver, enabling communications between the PI-M and a computer terminal. This allows the PI-M to be tested and calibrated, and the PI-M-T to be programmed with a user defined curve. The PI-RAC has two DC/DC converters operating from the single 5V supply of the PI-M, generating $\pm 9V$ for RS-232 transmission.

The PI-RAC has a 0.5m cable and socket for direct connection to the PI-M, and is housed in a standard, 25 pin, RS-232, D-connector.

Specifications.

RS-232	-Input	$\pm 30V$ Max.
	-Output	$\pm 9V$ Typical.
	-Input Resistance	7k Ω Typical.
	-Output Current	$\pm 10mA$ Max.
Cable	-TTL (From PI-M)	0.5m Max. Supplied With PI-RAC.
	-RS-232	15m Max.

Note 1. Specifications based on Standard Calibration Unit, unless otherwise specified.

Note 2. Due to ongoing research and development, designs, specifications, and documentation are subject to change without notification.
No liability will be accepted for errors, omissions or amendments to this specification.

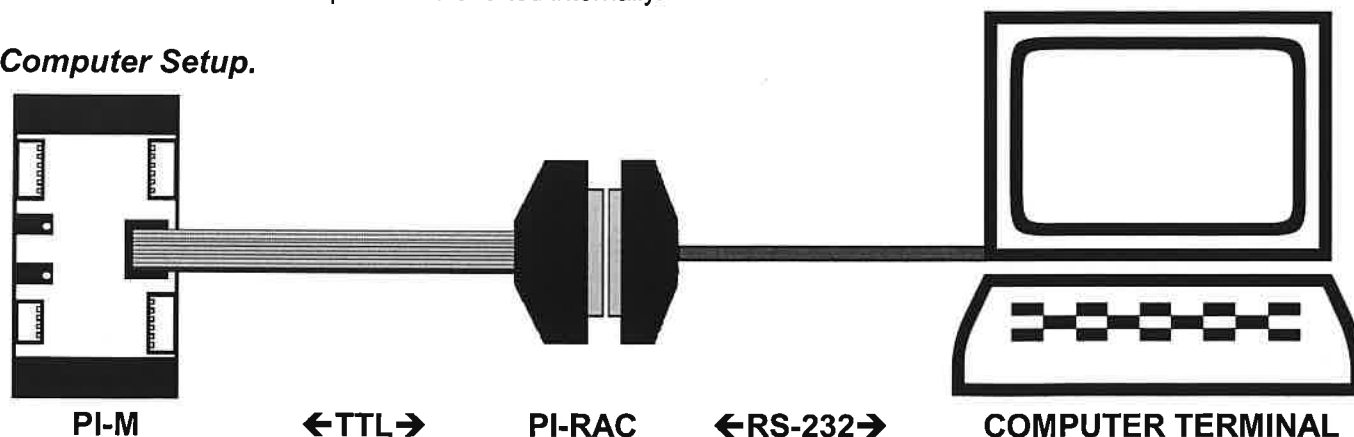
Ordering Information.

PI-RAC PI-M to RS-232 interface, complete with cable for direct connection to PI-M.

D Connector Pin Assignments.

Pin 2 - TD Data from PC.
Pin 3 - RD Data from PI-M.
Pin 4 - RTS Handshake from PC.
Pin 5 - CTS Handshake to PC.
Pin 6 - DSR Handshake to PC.
Pin 7 - GND Signal Ground.
Pin 8 - CD Handshake to PC.
NOTES: Pins 4 & 5 and pins 6 & 8 shorted internally.

Computer Setup.



Quality Assurance Programme.

The modern technology and strict procedures of the ISO9001 Quality Assurance Programme applied during design, development, production and final inspection grant long term reliability of the instrument.

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