

Replacement for Mini-IMG Vacuum Gauge

Parts Required

FRG700KF25 FRG-700 FULL RANGE PIRANI/IMG GAUGE, KF25

G5550-09088 Modular Adapter, RJ45 - DB9(Male), Meta

Short Ethernet cable – ensure that a straight cable is used, not crossover.

Situation

The mini-IMG vacuum gauge is now obsolete and has been replaced by the FRG-700. This gauge has an RJ45 connector so an adapter is required to connect to the cryobay's DB9 cable.

Method

The wires and pins must be inserted into the DB9 part of the adapter as below. Connect all wires to the connector.

Pin	Colour	function
1	Blue	+24V Power Input
2	Orange	Power Ground
3	Black	Analogue Pressure Signal Output
4	Green	Analogue Ground
5	Red	Not used
6	Yellow	Not used
7	Brown	Not used
8	White	Not used
9	No connection	

Connect one end of a short Ethernet cable (the length is unimportant) to the gauge and the other end to the RJ45 adapter. Connect the vacuum gauge cable to the DB9 connector of the adapter.

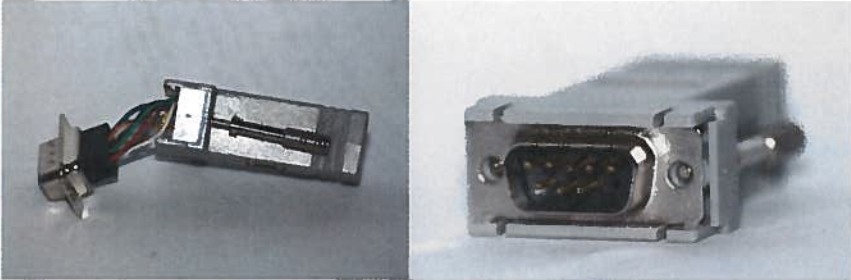
Further Information

For more information, see the FRG-700 operating instructions:

<http://www.chem.agilent.com/Library/usermanuals/Public/TQNA74E1%20%20Inverted%20Magne tron%20Priani%20%20Gauge%20FRG-700%20FRG-702%20Operating%20Manual.pdf>

Pictures

RJ45 to DB9 adapter



FRG-700 Pirani gauge

