



**DB-9 PIN DESIGNATION FOR UMA  
ELECTRONIC INSTRUMENTS:**

- |   |                               |
|---|-------------------------------|
| 1 Voltage In                                  | } <b>INTERNALLY CONNECTED</b> |
| 2   |                               |
| 3 Voltage Out to Sender (+12v)(if needed)     |                               |
| 4 Signal (-) for Amm, Thrmcpl & Current loop) |                               |
| 5 Signal (+) Primary-Used for all gauges      |                               |
| 6 EL Lighting Input (Internal Lighting)       |                               |
| 7 EL Lighting Input (Internal Lighting)       |                               |
| 8 Ground for sender                           | } <b>INTERNALLY CONNECTED</b> |
| 9 Ground In                                   |                               |