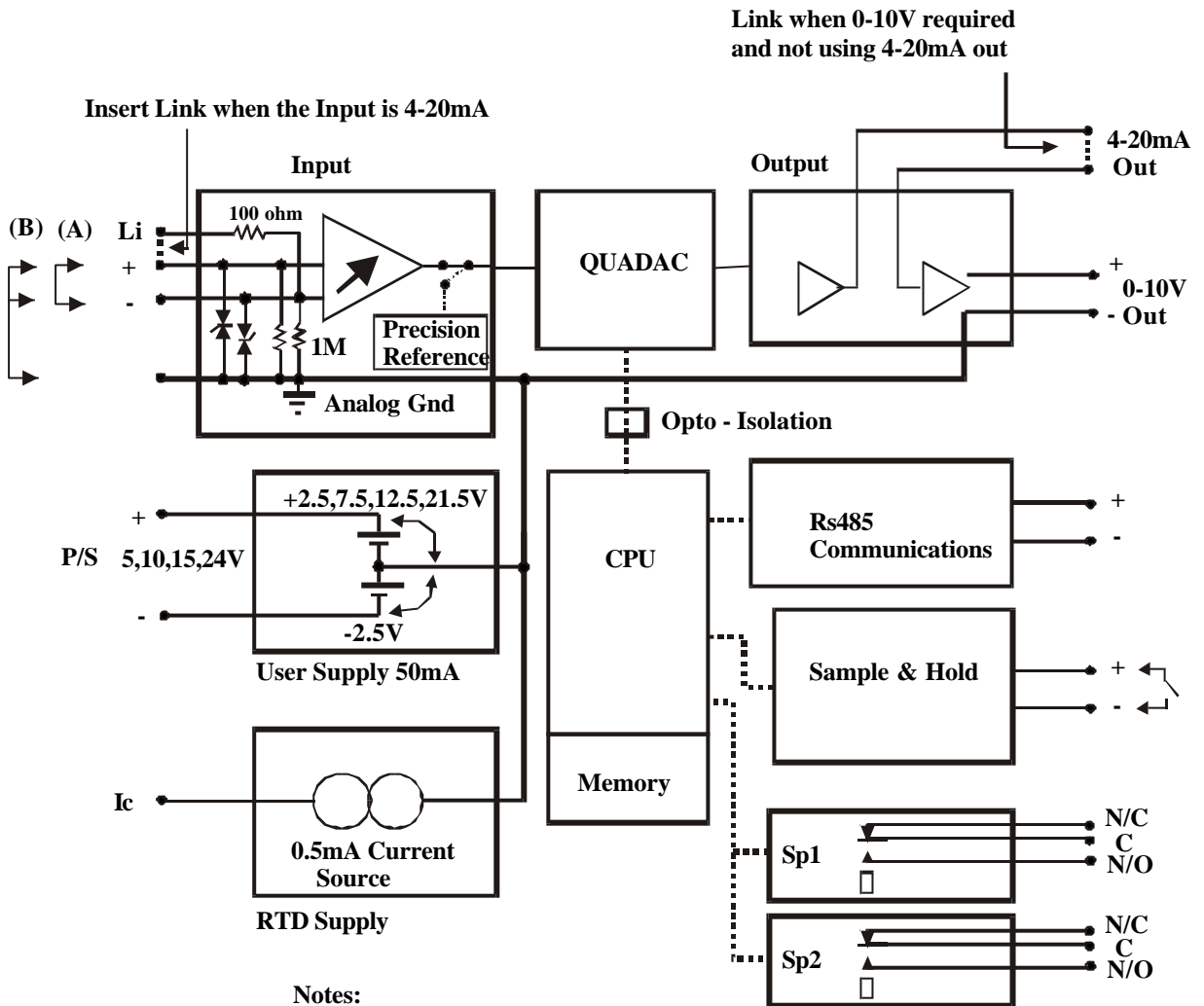


Unimeter Functional Block Diagram



Notes:

(A) +/- 0-10V Normal Input

(B) Dual Input Configuration

INPUT Protection:

Max voltage input + to input - 12V

Max voltage input + or - to analog ground 6V

(A greater voltage source can be current limited with a series 100k ohm resistor for pulse inputs)

Negative User supply is at -2.5v with respect to internal ground (0-10V output negative terminal) for zero crossing detection using proximity sensors or other pulse inputs.

Ground for Cable Shield

The negative terminal of the 0 - 10 V analog output terminal is an internal 'Analog Ground', and can be used for cable shield or filter connections with respect to the analog input.