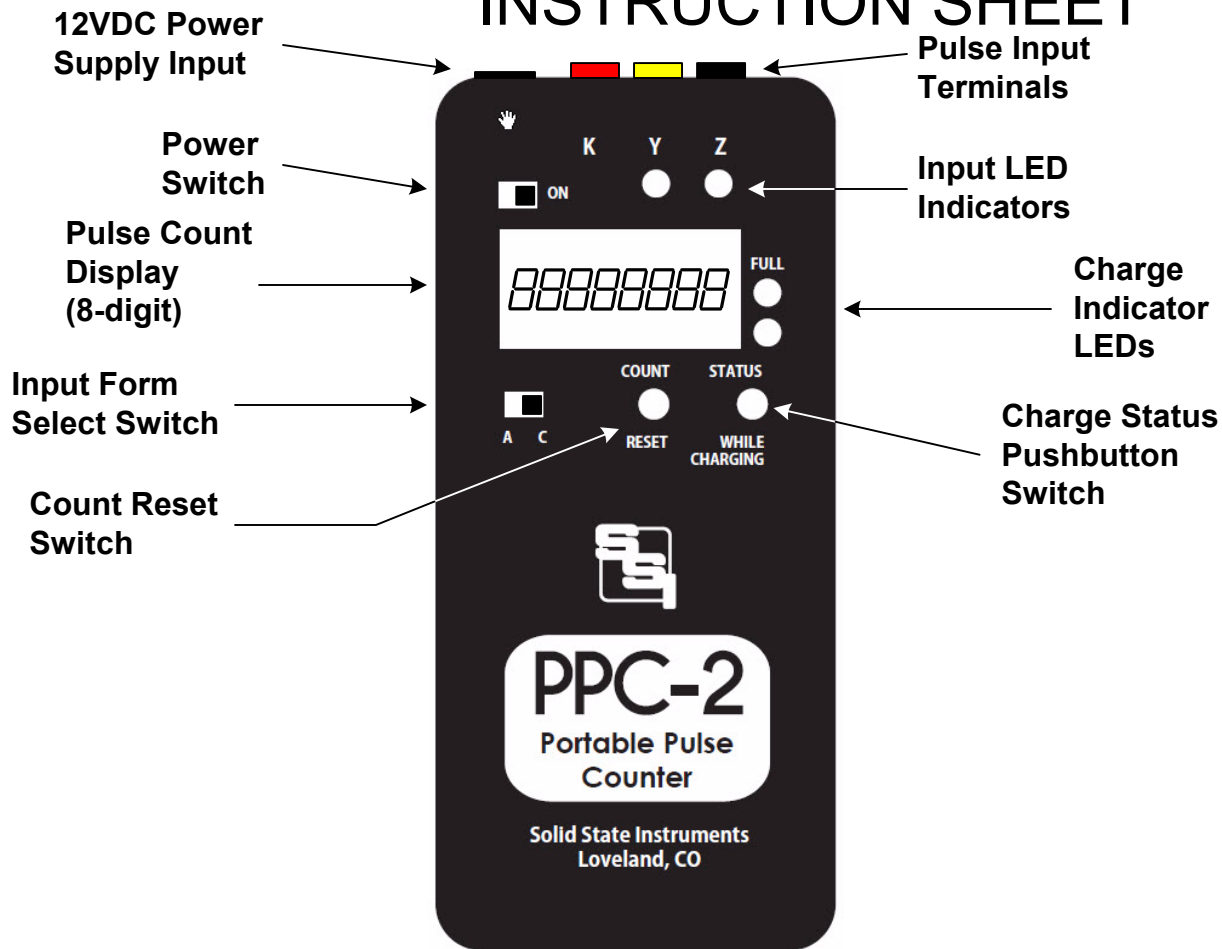


PPC-2

PORTABLE PULSE COUNTER INSTRUCTION SHEET



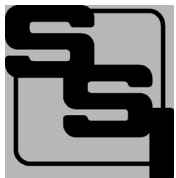
GENERAL - The PPC-2 is a battery-powered Portable Pulse Counter for KYZ pulse metering with Form A (2-Wire) or Form C (3-wire) pulse inputs. It can be used for water and gas meters as well as electric.

POWER INPUT - The PPC-2 has two rechargeable lithium-Ion battery modules. The battery recharge time is approximately 5 hours, giving about 30 to 40 hours of counter use. To recharge the PPC-2, attach the supplied 12VDC power cord to the 12VDC Power Supply Input, and plug the cord into an automobile cigarette lighter receptacle. A 12VDC Wall transformer is optionally available.

POWER SWITCH - The On-Off power switch for the PPC-2 is located in the upper left-hand corner of the unit.

PULSE INPUTS - Connect the K terminal of the meter supplying pulses to the PPC-2 to the **K (Red)** terminal on the PPC-2. For a Form C Input: Connect the **Y (Yellow)** and **Z (Black)** leads to the respective input terminals. For a Form A Input: Connect the **Y (Yellow)** lead to the Y input terminal. Switch the A-C Input Form Select switch to the desired position.

COUNTER OPERATION - In Form C (3-Wire) Mode, upon each alternating K-Y and K-Z closure of the meter's pulse output, the display will increment by one count. The Form C mode provides error checking such that pulses must alternate. Two or more identical pulses of the same kind are ignored after the first pulse. That means that pulses must alternate between K-Y, K-Z, K-Y, K-Z, etc to be counted as a valid pulse.



SOLID STATE INSTRUMENTS

by Radian Research, Inc
3852 Fortune Dr, Lafayette, IN 47905
Phone: (765) 449-5576

Mail: technicalsupport@radianresearch.com

COUNTER OPERATION (con't) - In Form A (2-Wire) Mode, upon each closure of the K-Y contacts, the display will increment by one count. The opening of the K-Y input is not counted, only the closure. The Form A mode counts successive closures of the K-Y input.

RESETTING THE COUNT- Simply push the Count Reset pushbutton switch to reset the PPC-2's count. The current count is held in the counter's memory as long as the power switch is ON. Once the power is turned off, the counter's count is reset.

BATTERY CHARGING STATUS INDICATORS - The PPC-2 includes two battery charge indicators which tell what state the battery charging is in. The PPC-2 must be plugged in to a 12VDC source. To access these indicators, push and hold the Status While Charging pushbutton switch down. The RED LED will come on to indicate that the battery is charging 0 to 80% capacity. At 80 to 90% capacity, both indicators light. Above 90% charge the GREEN LED only will light to indicate that the batteries are fully charged or nearly fully charged. It is recommended upon receiving the PPC-2, that it is plugged in until the Green Charge Status LED is lit.

MAXIMUM COUNTER INPUT SPEED - The counter can count pulses up to approximately 10 pulses per second although you cannot see each pulse accrue on the LCD display at that speed. Once the rapid pulses have slowed down or stopped, you will be able to see the correct count on the counter's display.