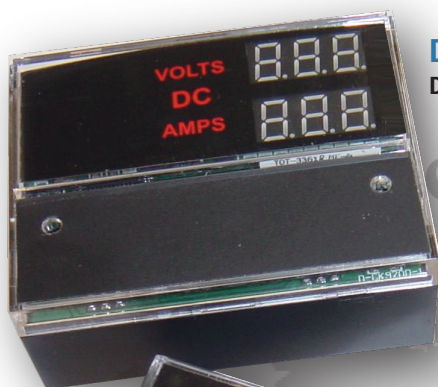
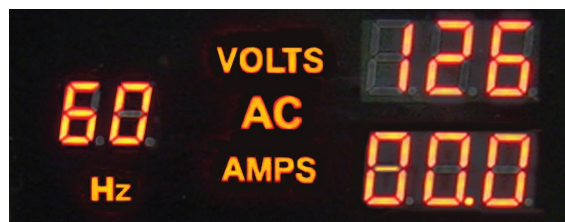




# D-CK 920 Series

## Multi-Function 2-1/2" Digital Meters



**DC**  
D-CK920VADC



**AC**  
D-CK920VAFAC

### SPECIFICATIONS

#### ELECTRICAL SPECIFICATIONS

<b>Display:</b>	0.38" LED High Intensity
<b>ACCURACY: AC Volts TRMS Sensing:</b>	
<b>AC Volts:</b>	1% of reading $\pm 1$ count between 45 Hz and 65 Hz
<b>Resolution:</b>	1.0 Volts
<b>Range:</b>	0-285 VAC RMS
<b>AC Current TRMS Sensing:</b>	2% of reading $\pm 1$ count
<b>Resolution:</b>	0.1 Amp to 99.9 Amperes; 1 Amp from 100 to 999
<b>Range:</b>	999 Amps RMS using CT's with a maximum secondary of 100ma.
<b>Frequency:</b>	0.5% from 45-65 Hz $\pm 1$ count
<b>Crest Factor Ratio:</b>	3:1
<b>DC ACCURACY:</b>	
<b>DC Volts:</b>	0.1% of reading $\pm 1$ count
<b>Resolution:</b>	0.1 Volts to 99.9 VDC; 1.0 Volts from 100 to 999*
	*(Maximum DC Voltage Input is 100 VDC. Use of a divider can extend the range)
<b>DC Amperes:</b>	1% of reading $\pm 1$ count
<b>Resolution:</b>	0.1 Amp to 99.9 Amperes; 1 Amp from 100 to 200
<b>Range:</b>	200 Amperes (requires external shunt)
	It is noted that the overall accuracy of this measurement is predicated on the accuracy of the shunt being used and the length of the connecting leads between the shunt and the D-CK 920

### D-CK920 OPTIONS

#### DC OPTIONS:

- D-CK920-VADC (STD) 99.9ADC, 99.9VDC
- D-CK920-VADC-1 200ADC, 99.9VDC
- D-CK920-VADC-2 1000ADC, 200VDC
- D-CK920-VADC-3 5.0ADC, 99.9VDC
- D-CK920-VADC-4 SPECIAL 4V@400ADC, 99.9VDC
- D-CK920-VADC-5 99.9ADC, 99.9VDC
- D-CK920-VADC-6 500ADC, 99.9VDC
- D-CK920-VADC-7 100ADC, 200VDC NO DECIMALS

#### AC OPTIONS:

- D-CK920-VAFAC 99.9AAC, 285VAC (STD)
- D-CK920-VAFAC-1 199AAC, 285VAC

#### GENERAL SPECIFICATIONS

<b>Common Mode Rejection:</b>	86dB Typical
<b>Common Mode Range:</b>	$\pm 2$ Volts
<b>Overvoltage Protection:</b>	1.5 times max input for 1 minute
<b>Operating Temperature:</b>	-20°C to +60°C
<b>Storage Temperature:</b>	-40° to +85°C
<b>Relative Humidity non-condensing:</b>	0-95%

Drift in the least significant Digit may occur due to thermal changes in shunt or the operating environment.

**Hoyt Electrical Instrument Works Inc.**

23 Meter Street  
Penacook, NH 03303

**Phone:** (800) 258-3652  
**Fax:** (603) 753-9592  
**Email:** sales@hoytmeter.com

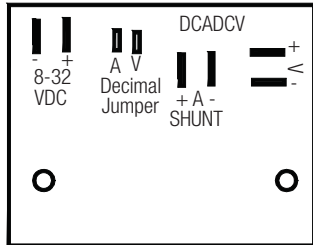
[www.hoytmeter.com](http://www.hoytmeter.com)

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Page 1 of 2

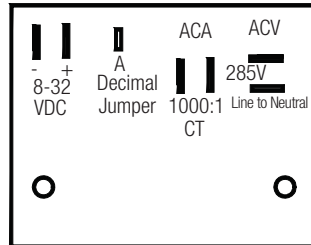


# D-CK 920 Series

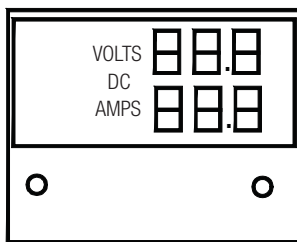
## Multi-Function 2-1/2" Digital Meters



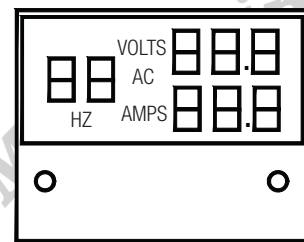
Rear View DC Meter  
D-CK920VADC



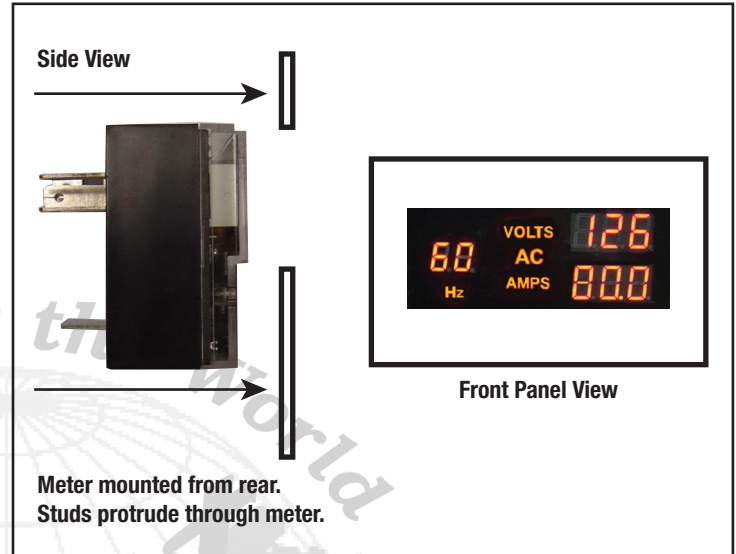
Rear View AC Meter  
D-CK920VAFAC



Front View DC Meter  
D-CK920VADC



Front View AC Meter  
D-CK920VAFAC



Meter mounted from rear.  
Studs protrude through meter.

### SURFACE MOUNTING

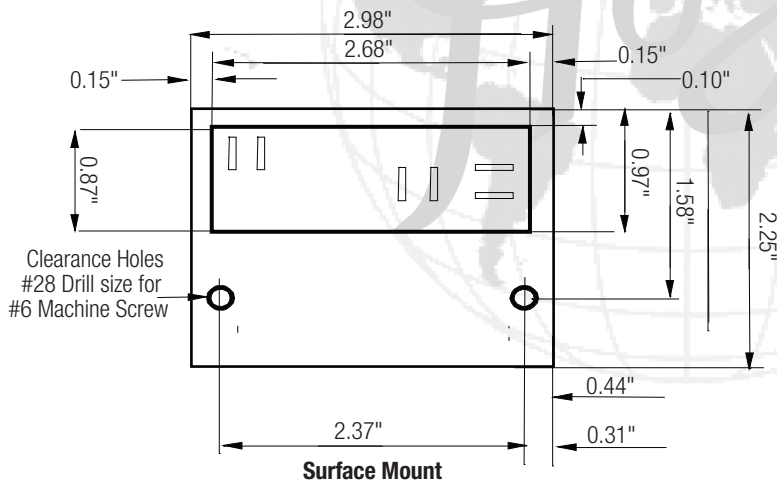


FIGURE "A"

#### SURFACE MOUNTING INSTRUCTIONS:

The D-CK920 Meter is made to mount on the surface of a panel or as a Window Mounted unit. The choice of mounting is that of the user. To mount the D-CK920 on the surface of a panel begin by cutting a hole in the panel as shown in Figure "A". The dimensions shown in Figure "A" provide a barrier between the edge of the D-CK920 meter Case and the recommended cutout. The dimension of 0.152" on each side of the meter case allows for adequate clearance between the terminals and the panel. It is important to maintain the top clearance of 0.100 +0/-0.001"

### WINDOW MOUNTING

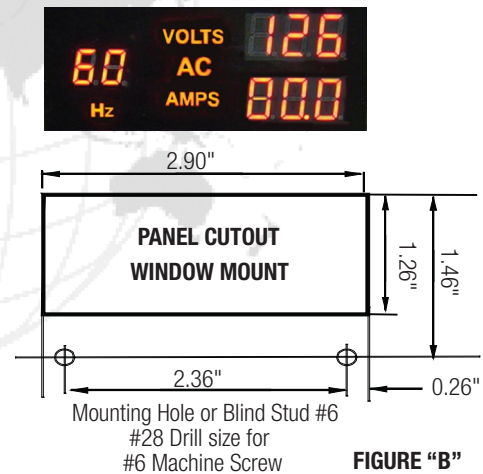


FIGURE "B"

#### WINDOW MOUNTING INSTRUCTIONS:

The D-CK920 AC and DC Digital meters will fit the standard 2 1/2" Analog Window opening found in existing panels today. Mounting the D-CK920 into a panel as a Window mount can be accomplished by cutting an opening in the panel as shown in Figure "B" to allow the window portion of the D-CK920 to fit flush with the panel. If you are replacing a Window Mount 2 1/2" Analog Panel meter with the D-CK920 the window opening should be the same dimension and allow for easy installation.