

Common Symbols



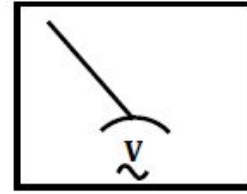
alternating current symbol



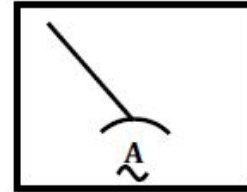
alternating voltage source



alternating current source



AC VOLT METER



AC CURRENT METER



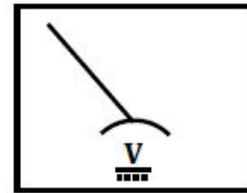
direct current symbol



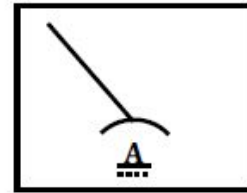
direct voltage source



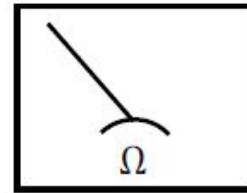
direct current source



DC VOLT METER



DC CURRENT METER



OHM METER

V (volt)

A (amp)

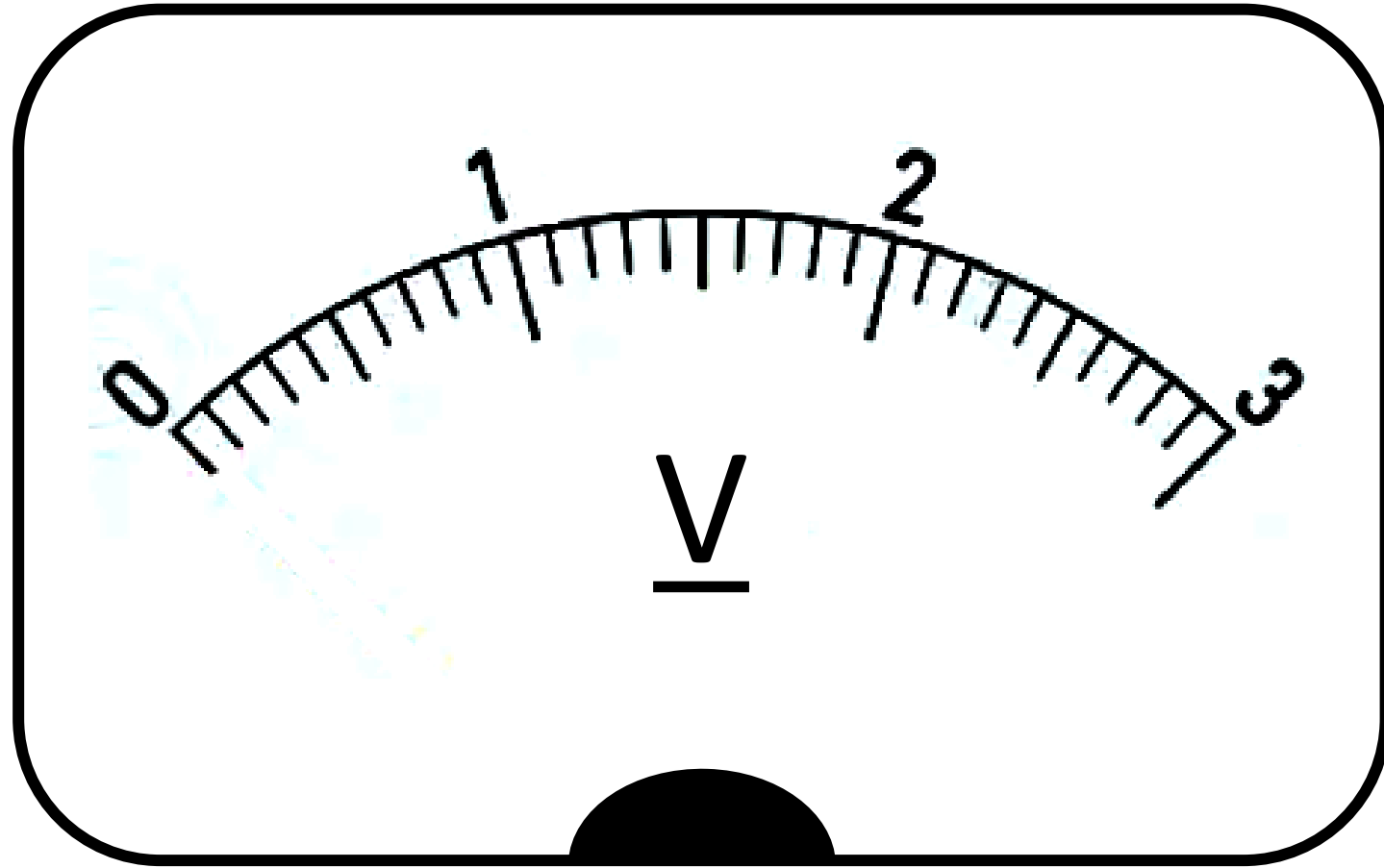
Ω (ohm)

AC (alternating current)

DC (direct current)

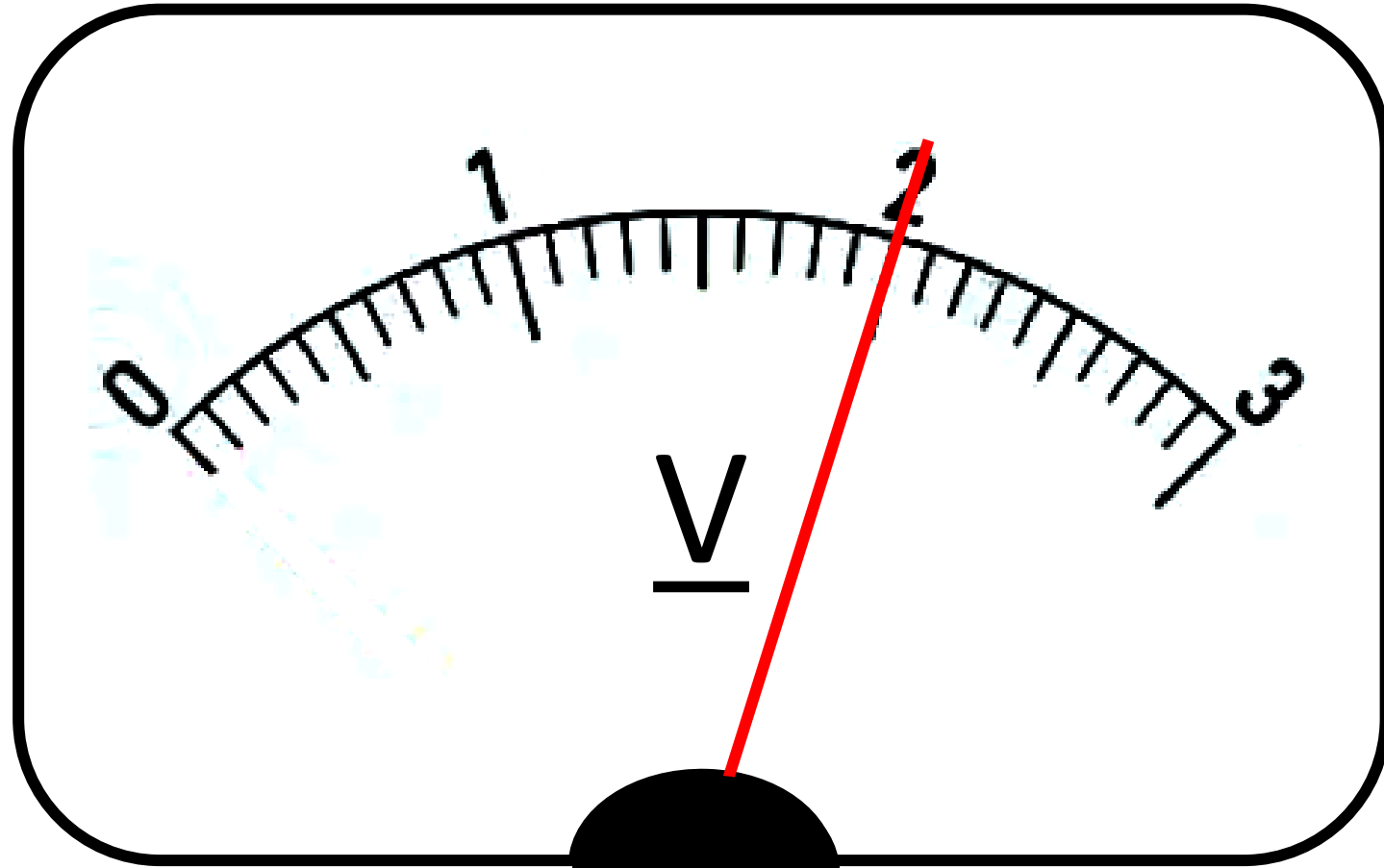


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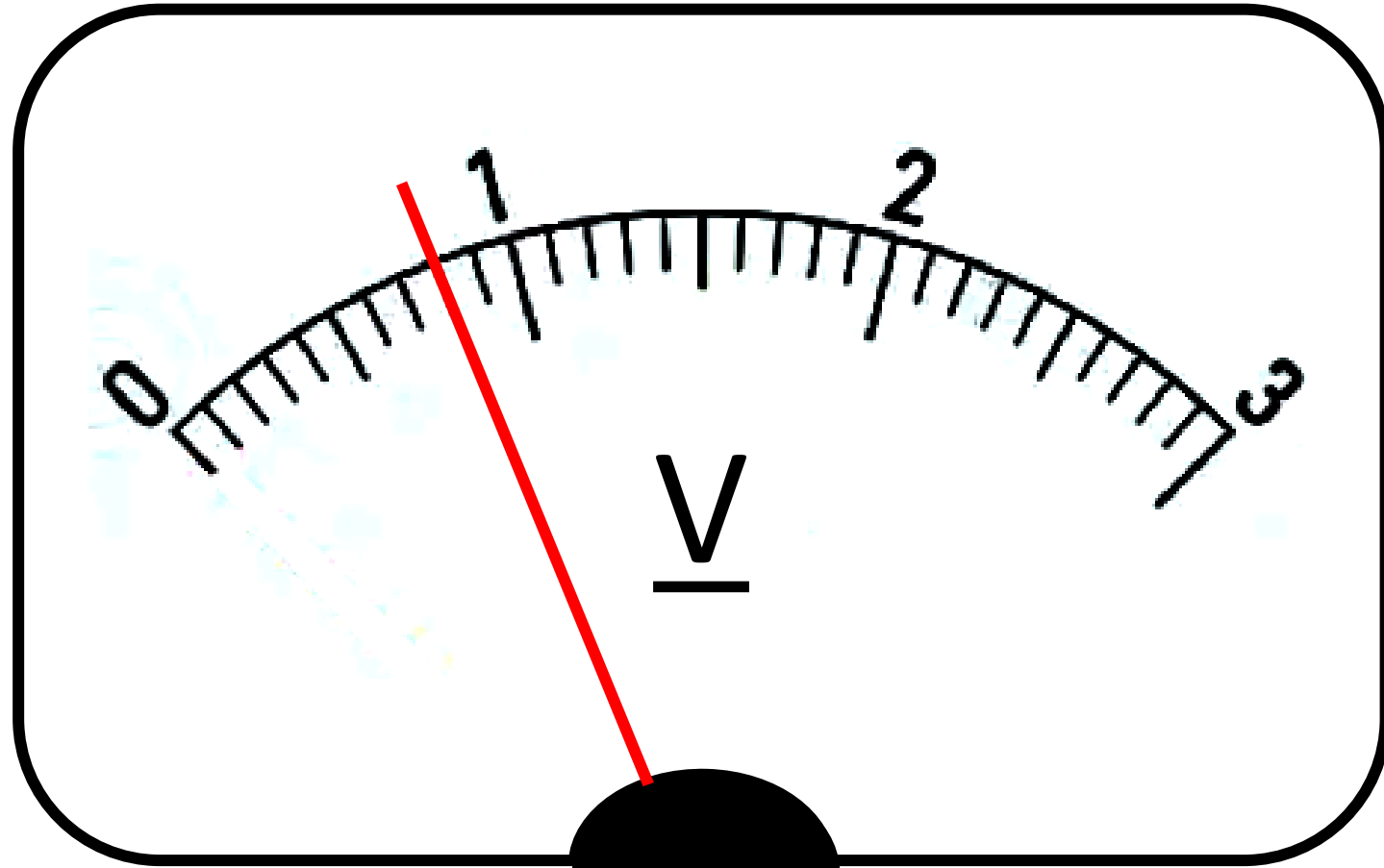
OFFICIAL

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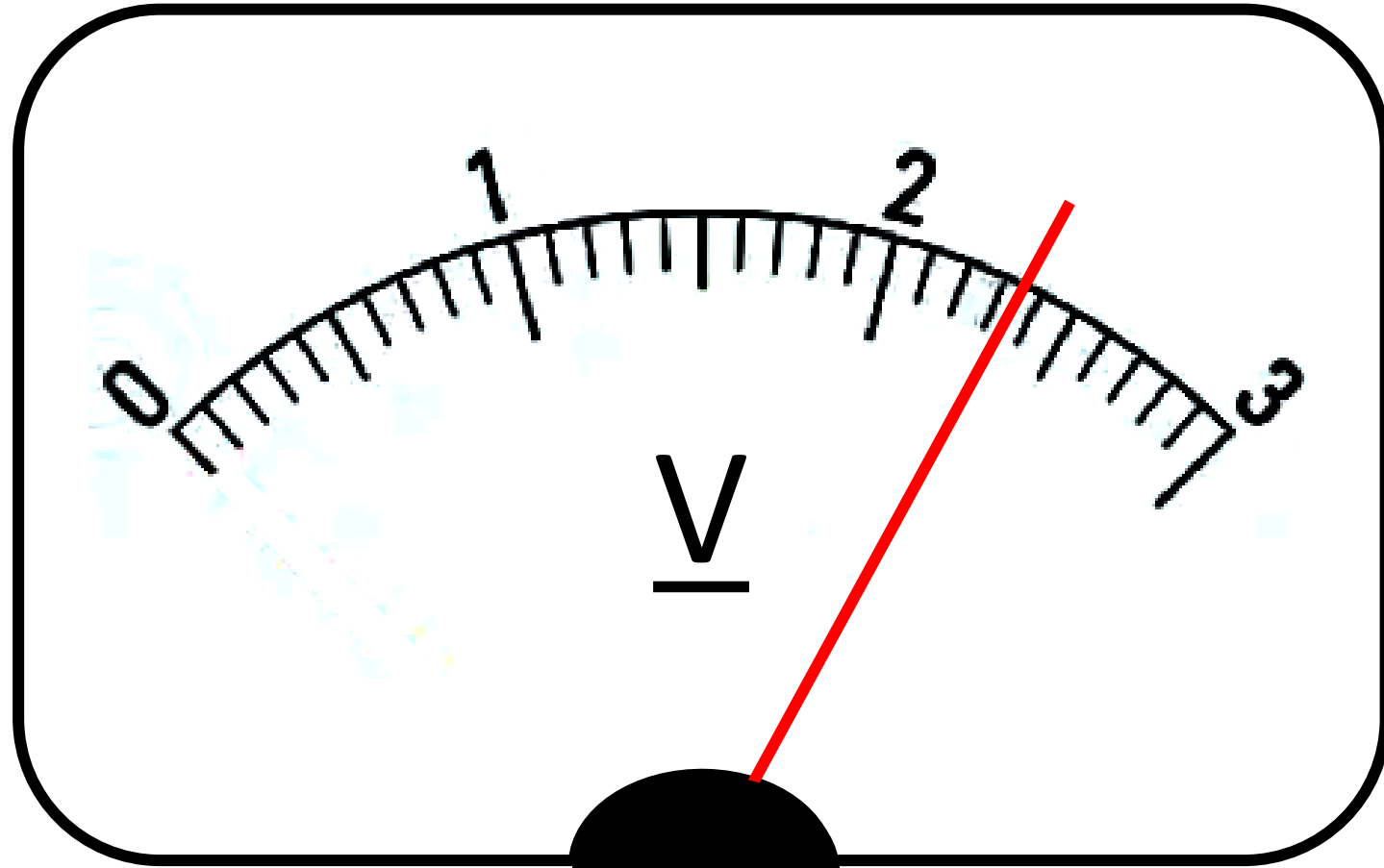
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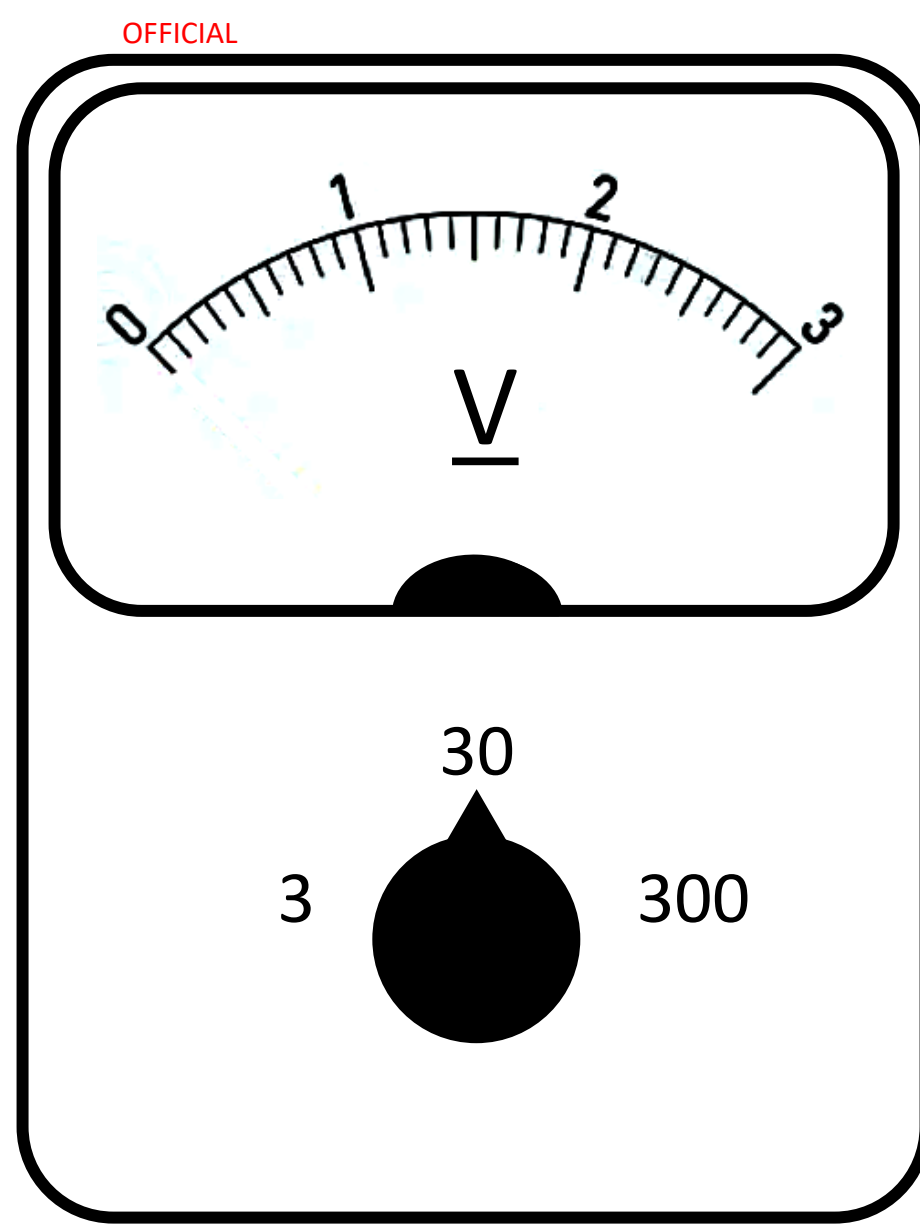
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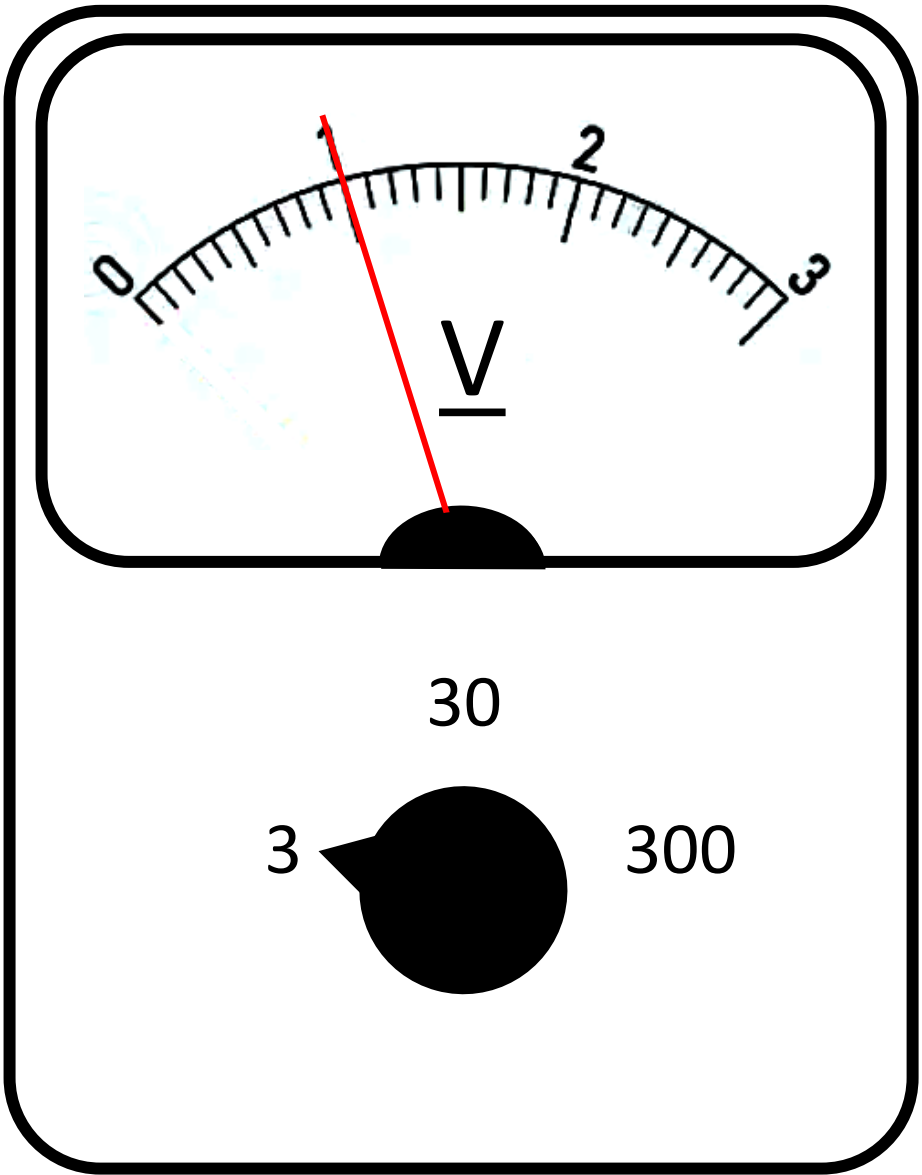
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Usually voltmeters have “multiplier” resistors in their circuitry so that they can be selected to measure higher voltages.



OFFICIAL

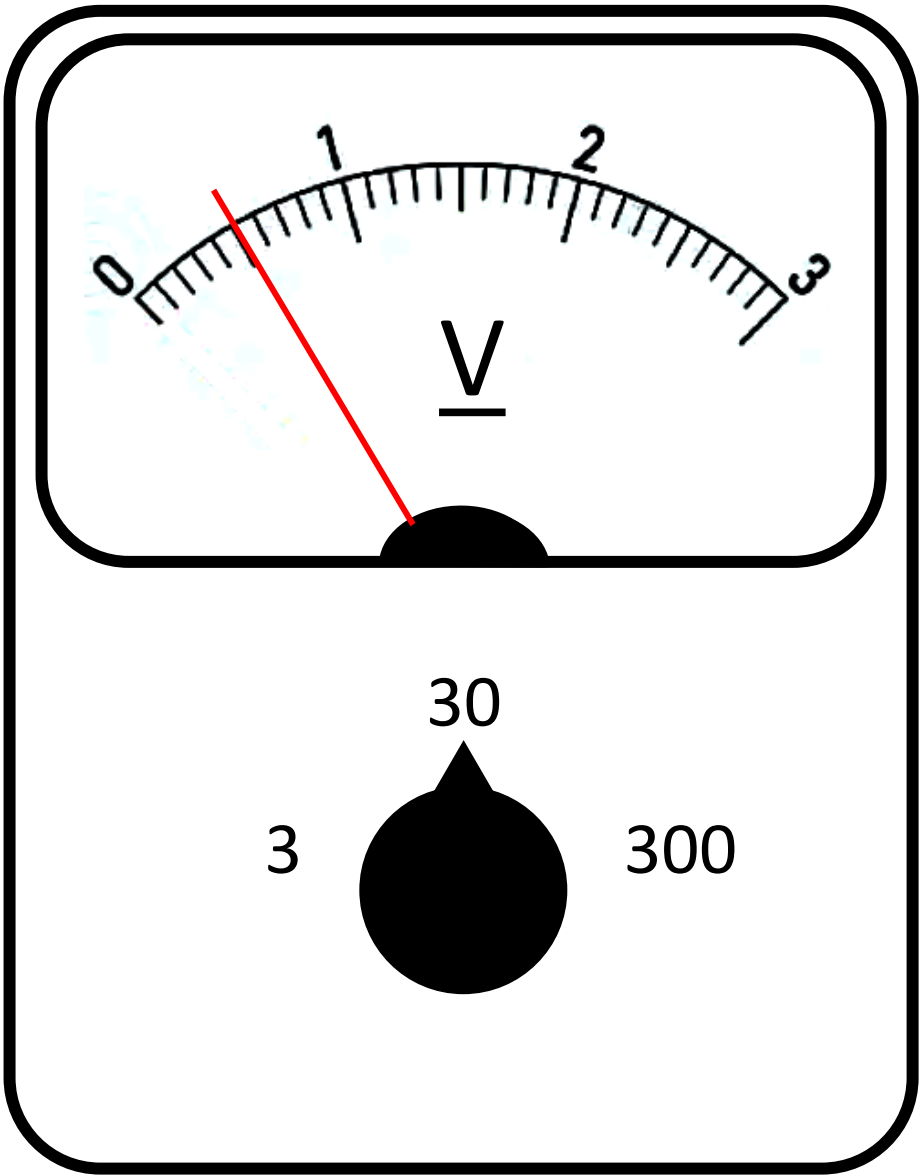
What is this voltmeter reading?



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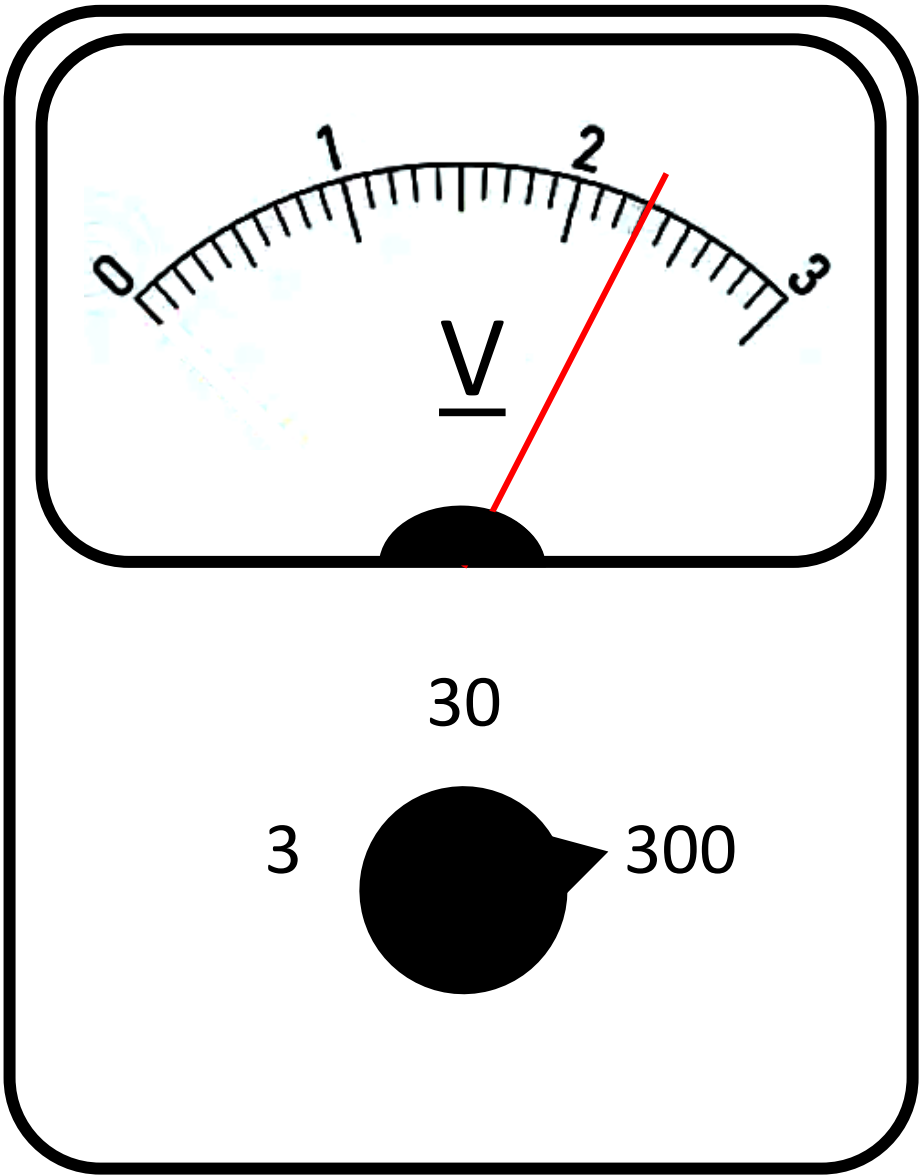
What is this voltmeter reading?



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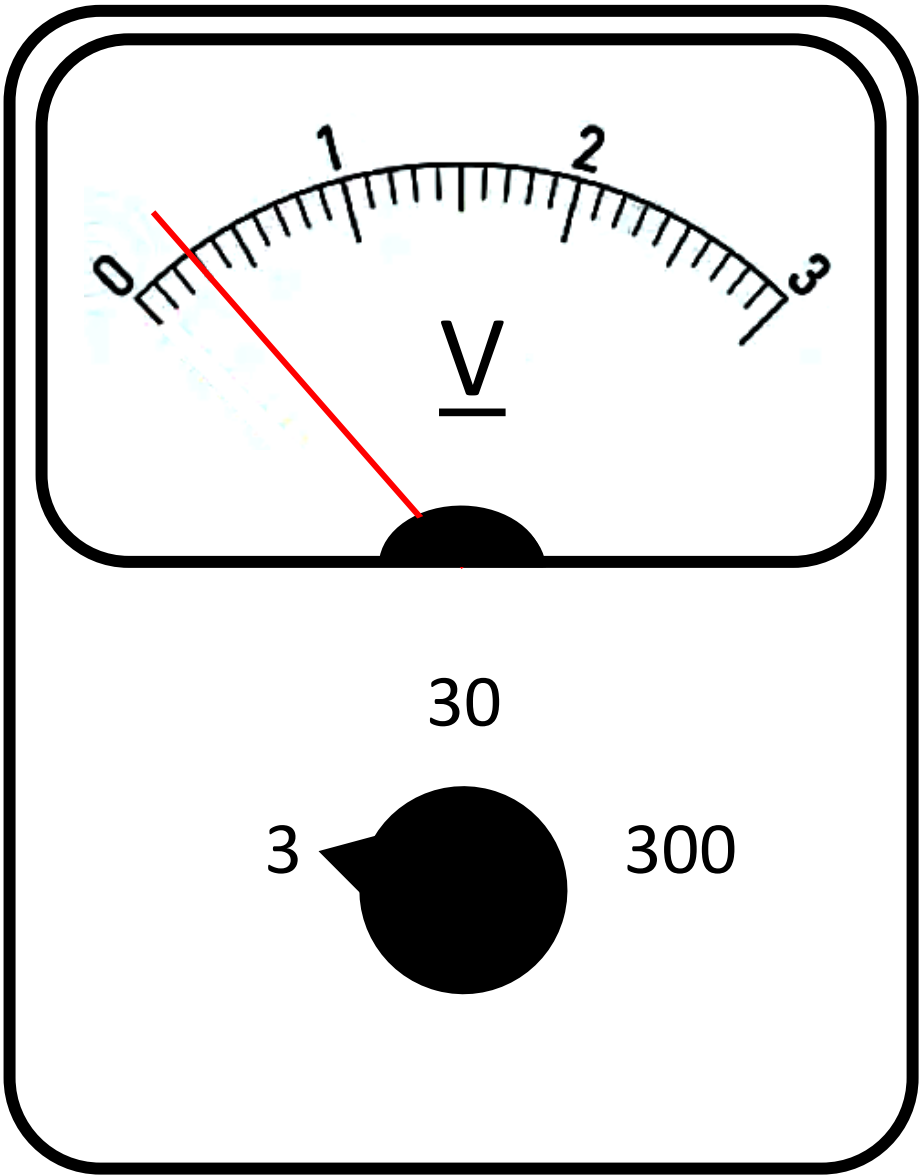
What is this voltmeter reading?



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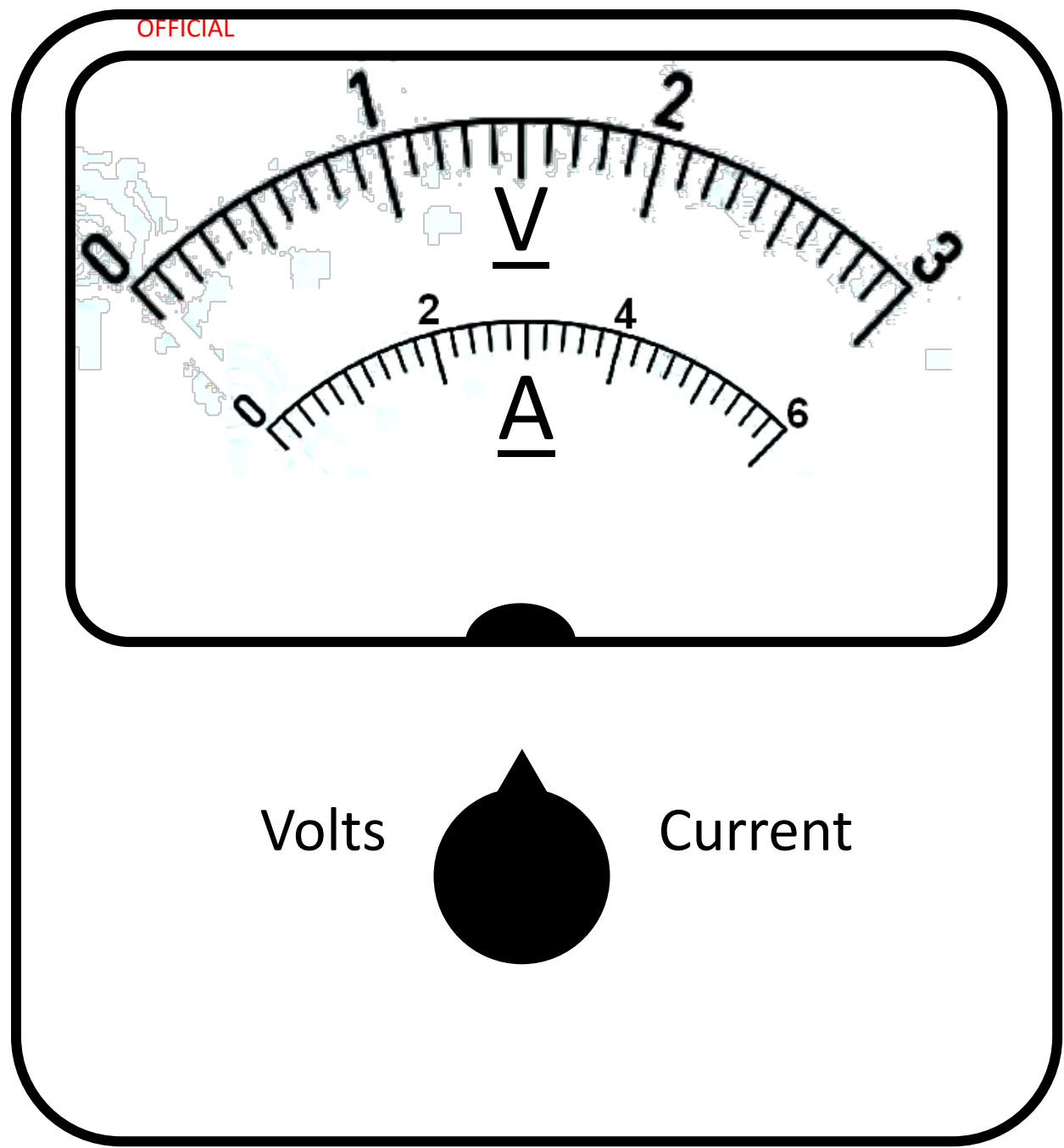
OFFICIAL



What is this voltmeter reading?

OFFICIAL

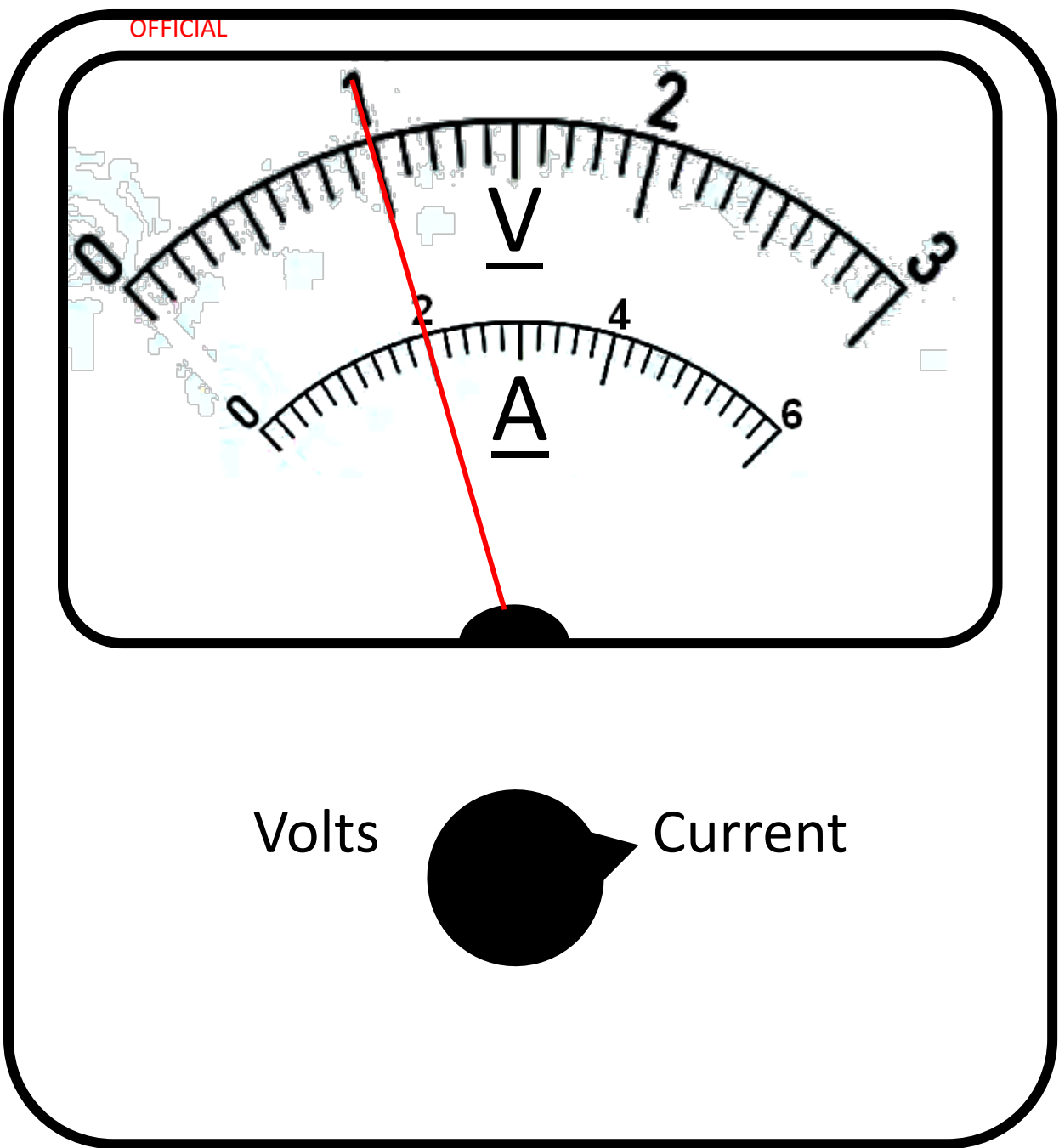
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The majority of multimeters can read both current and voltage.

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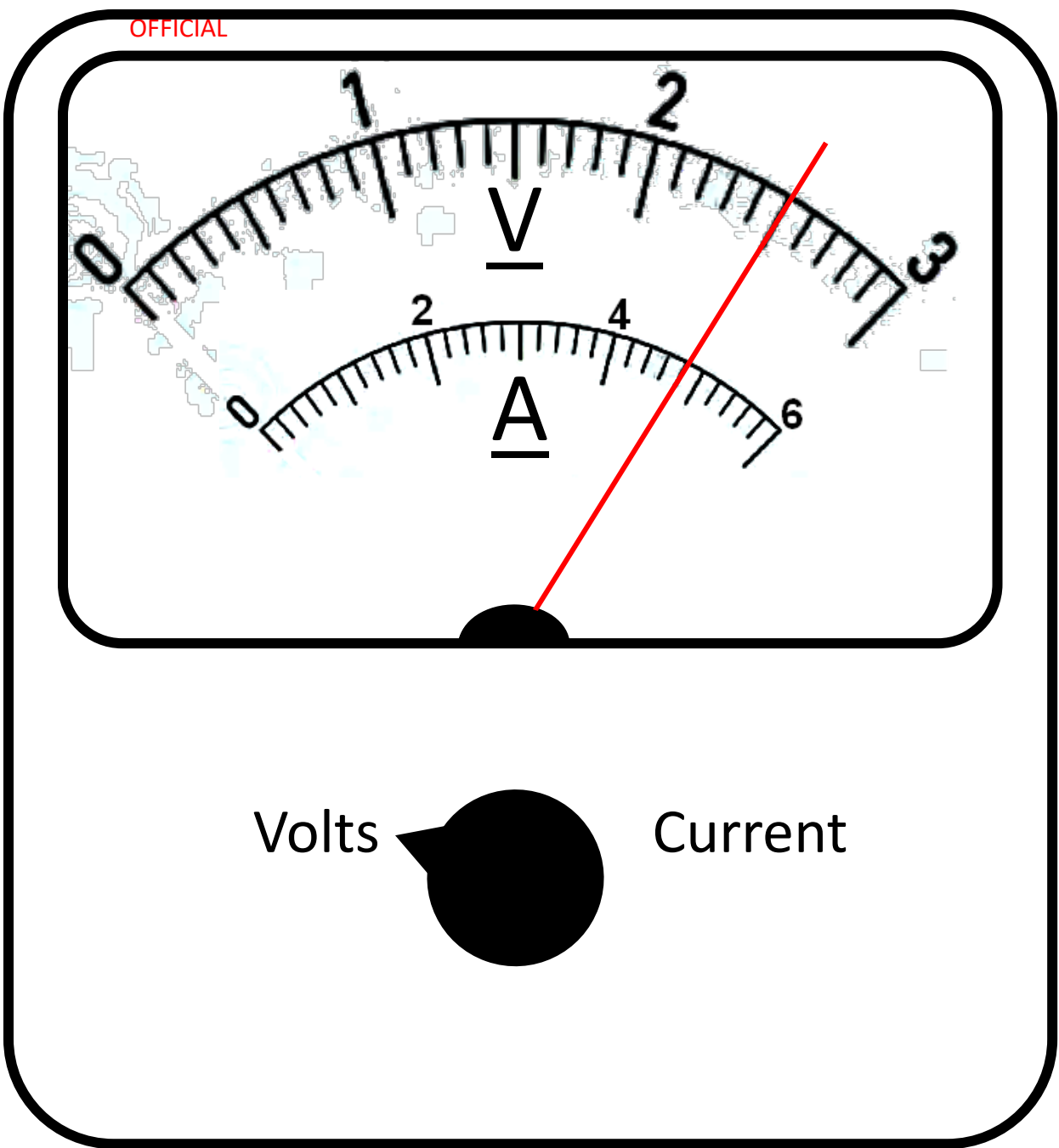
OFFICIAL



What is this multimeter reading?

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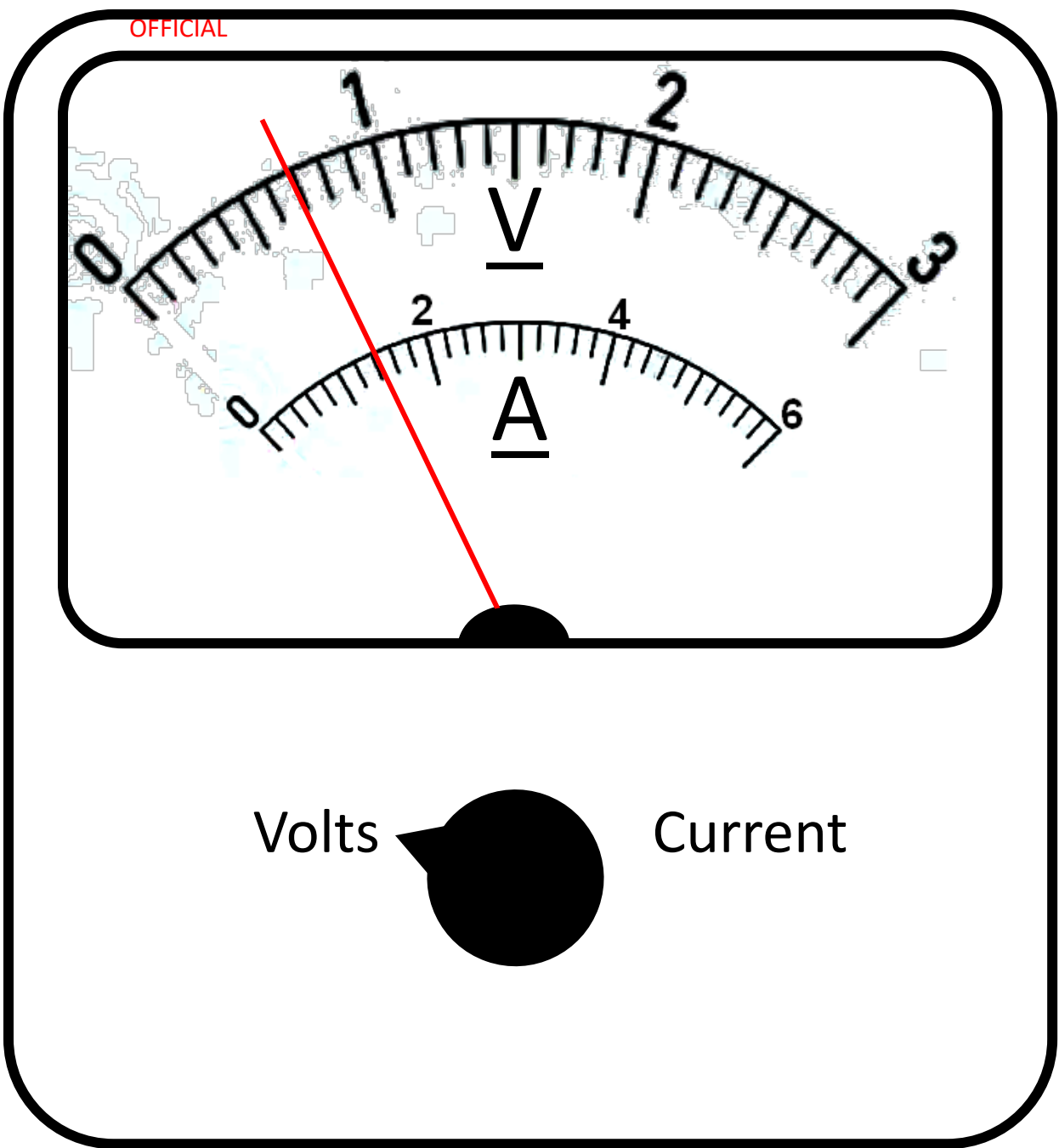
OFFICIAL



What is this multimeter reading?

OFFICIAL

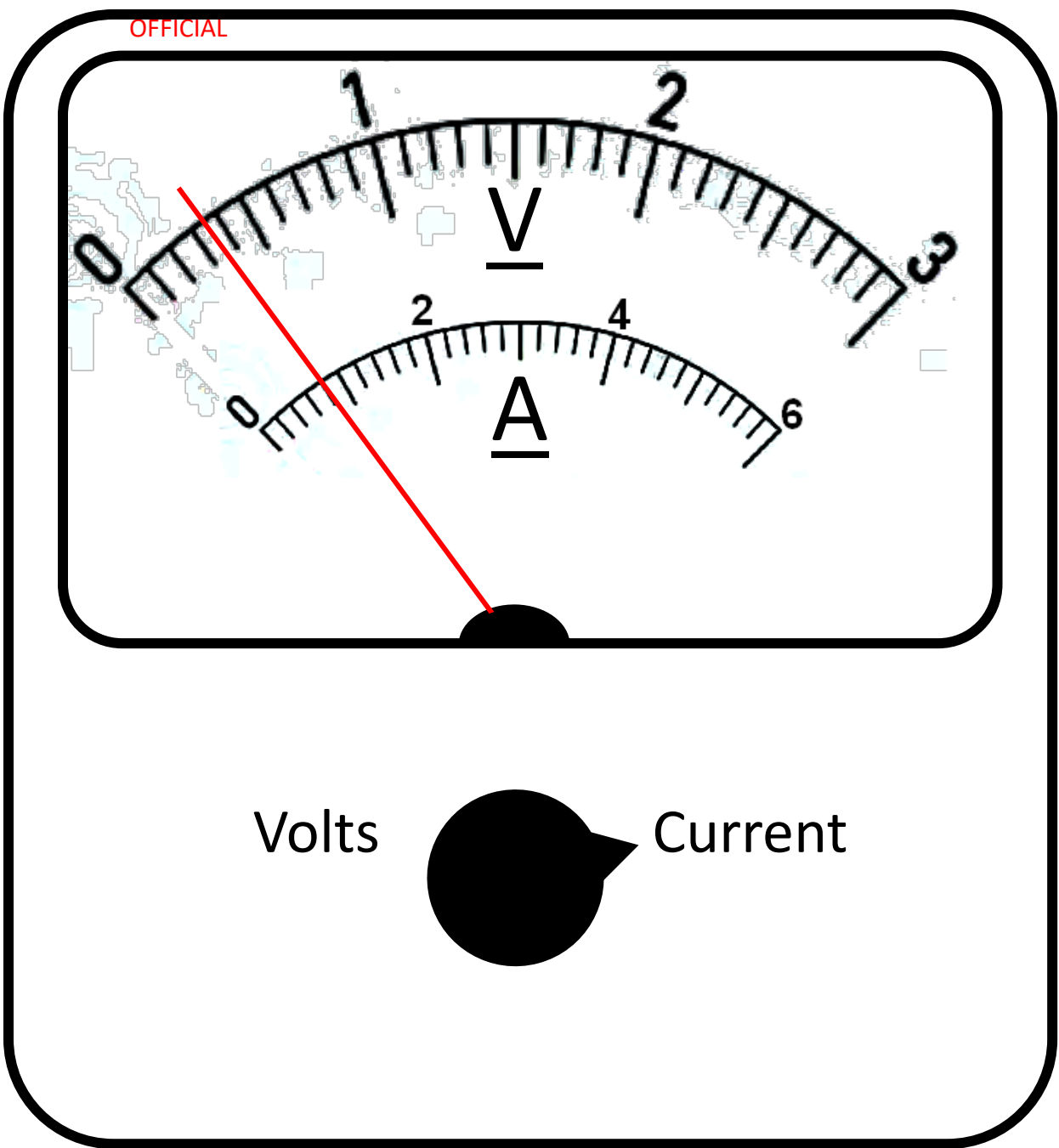
OFFICIAL



What is this multimeter reading?

OFFICIAL

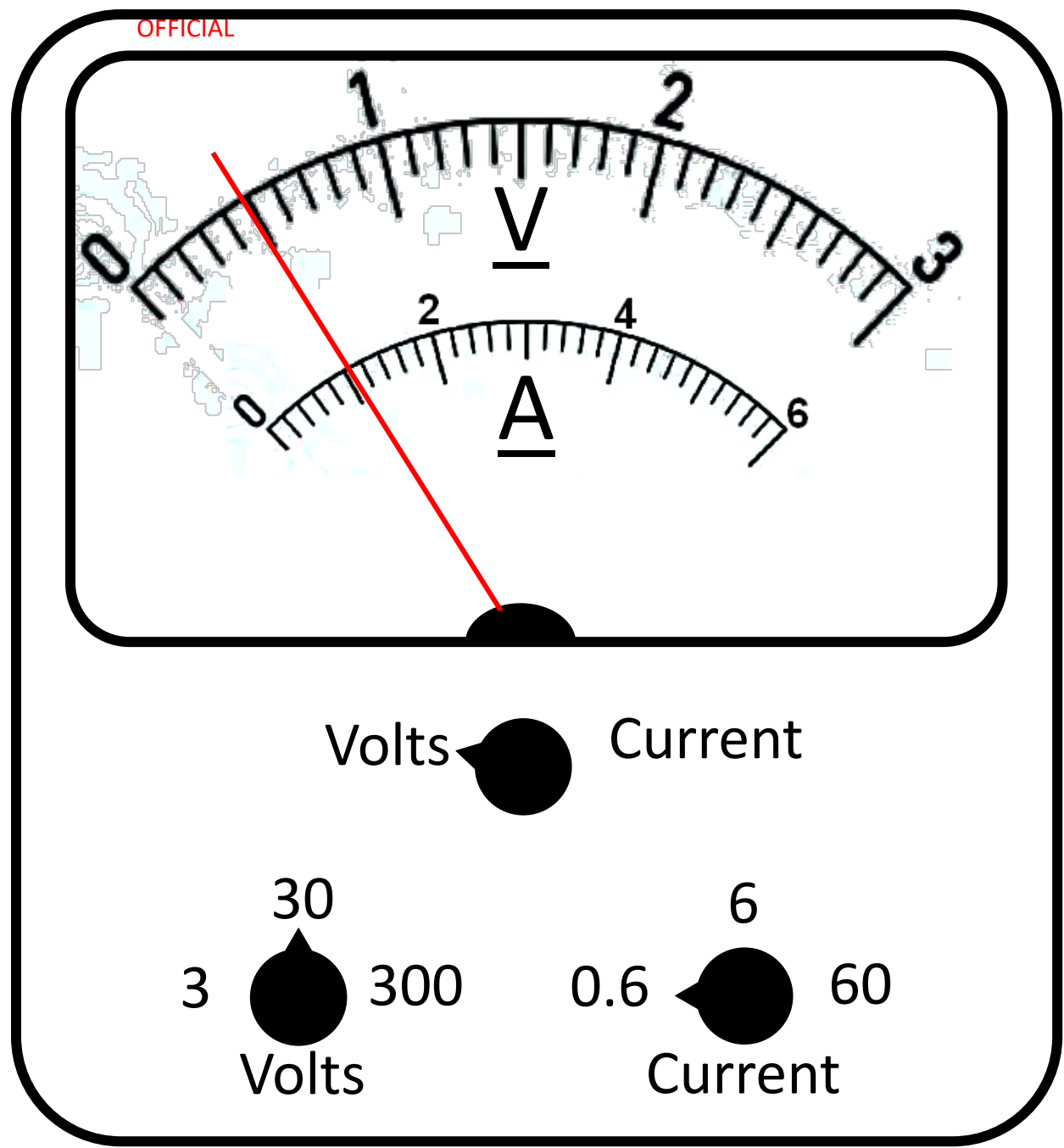
OFFICIAL



What is this multimeter reading?

OFFICIAL

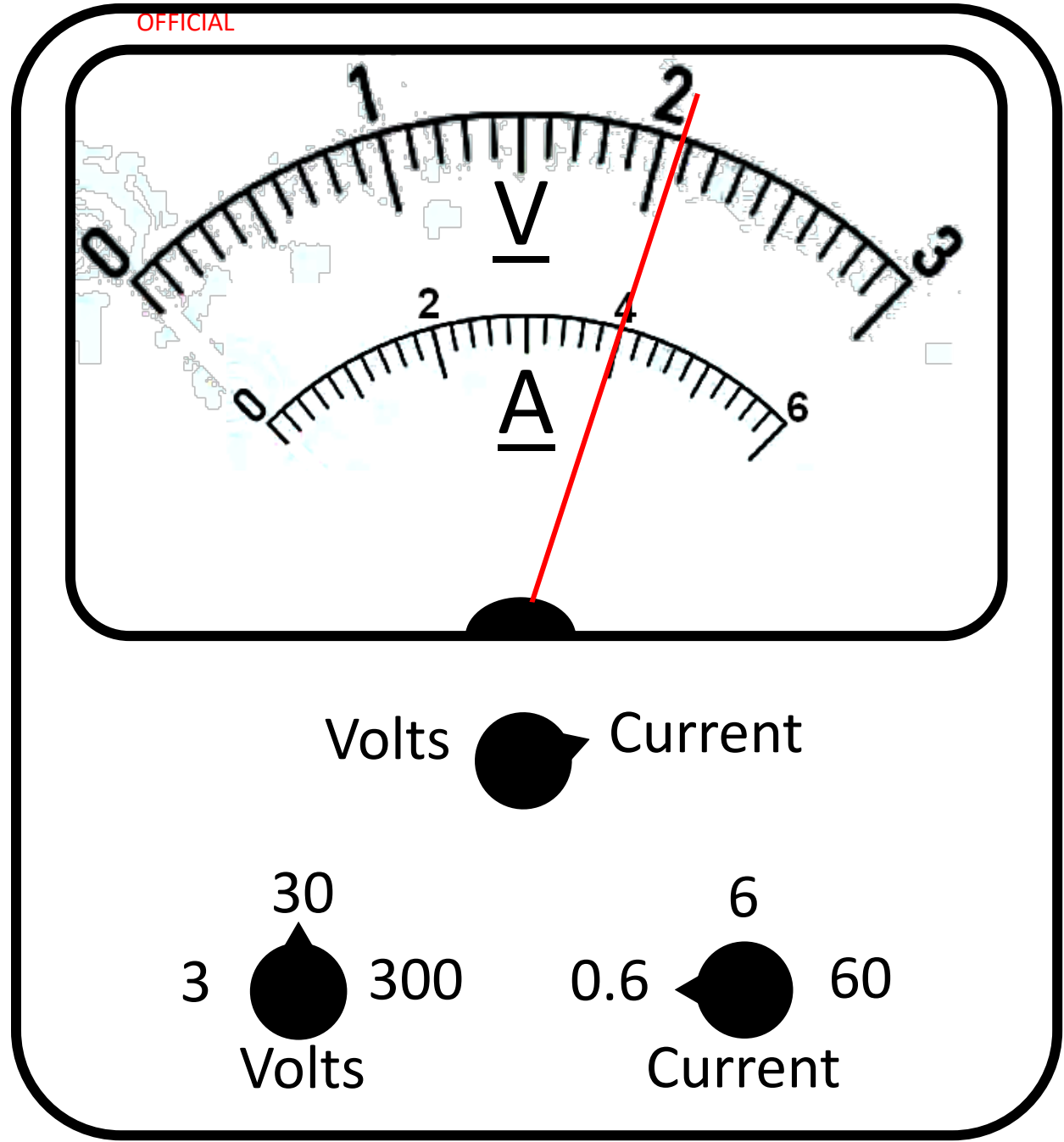
OFFICIAL



OFFICIAL

What is this multimeter reading?

OFFICIAL

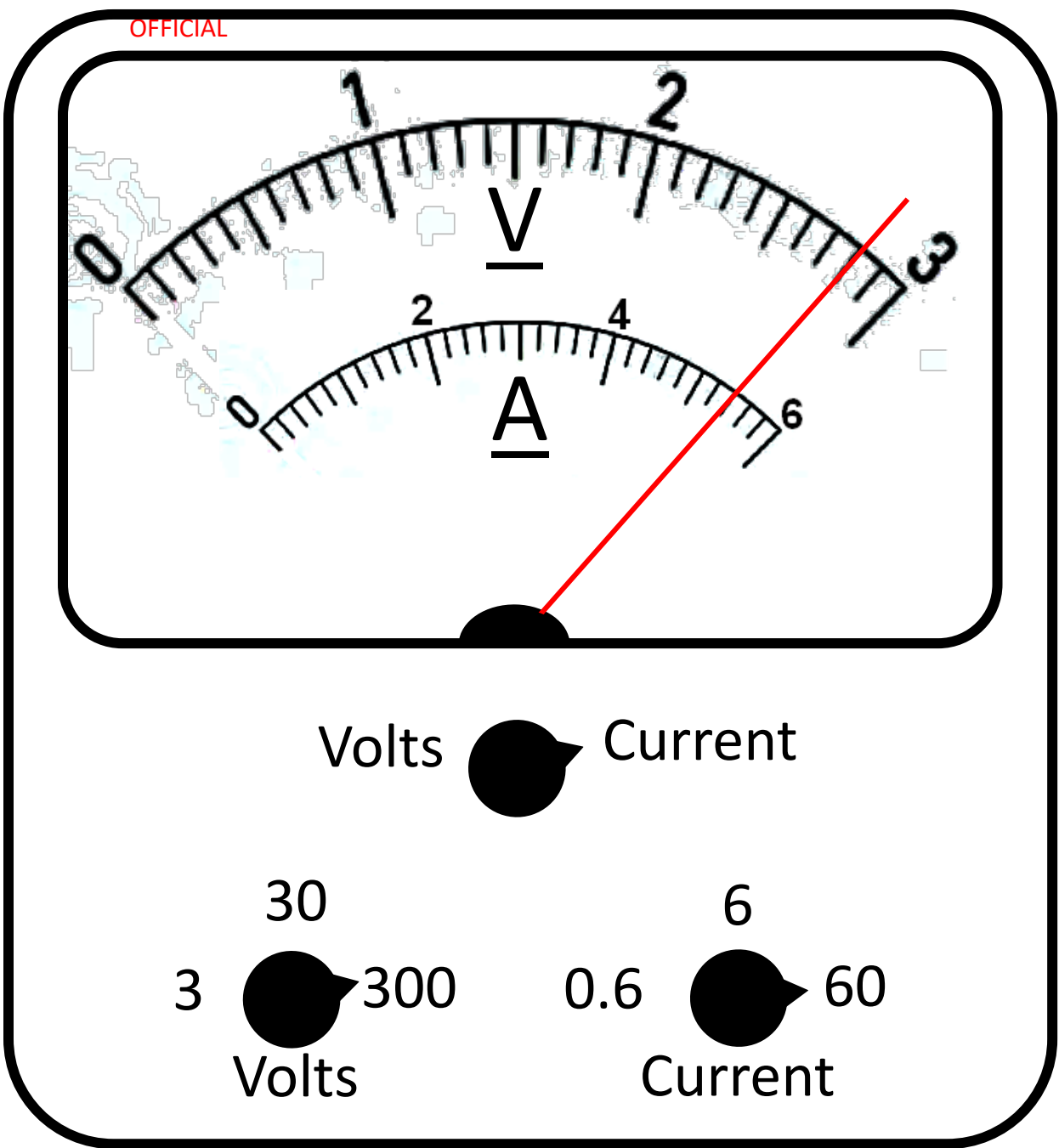


What is this multimeter reading?

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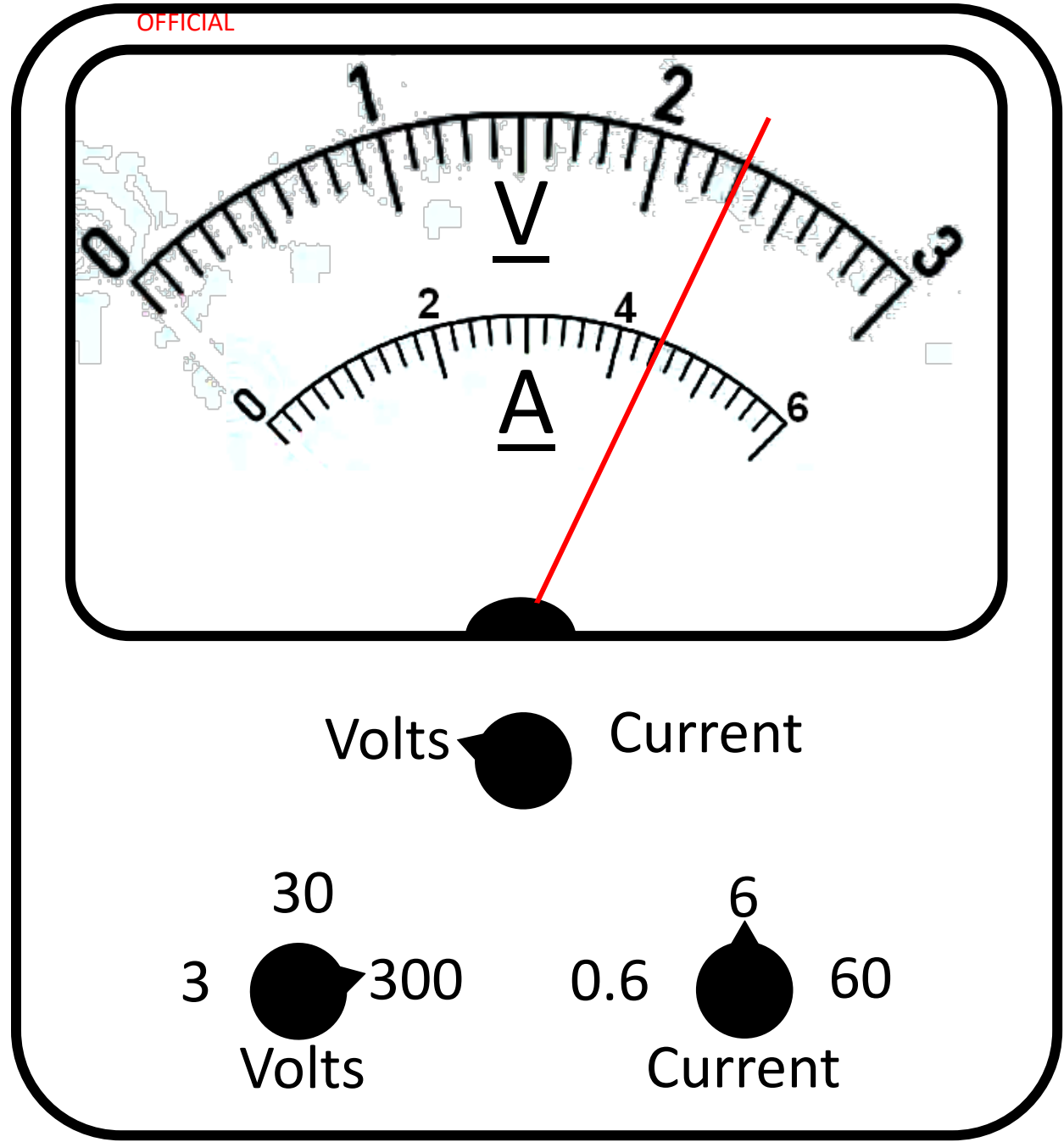
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What is this multimeter reading?

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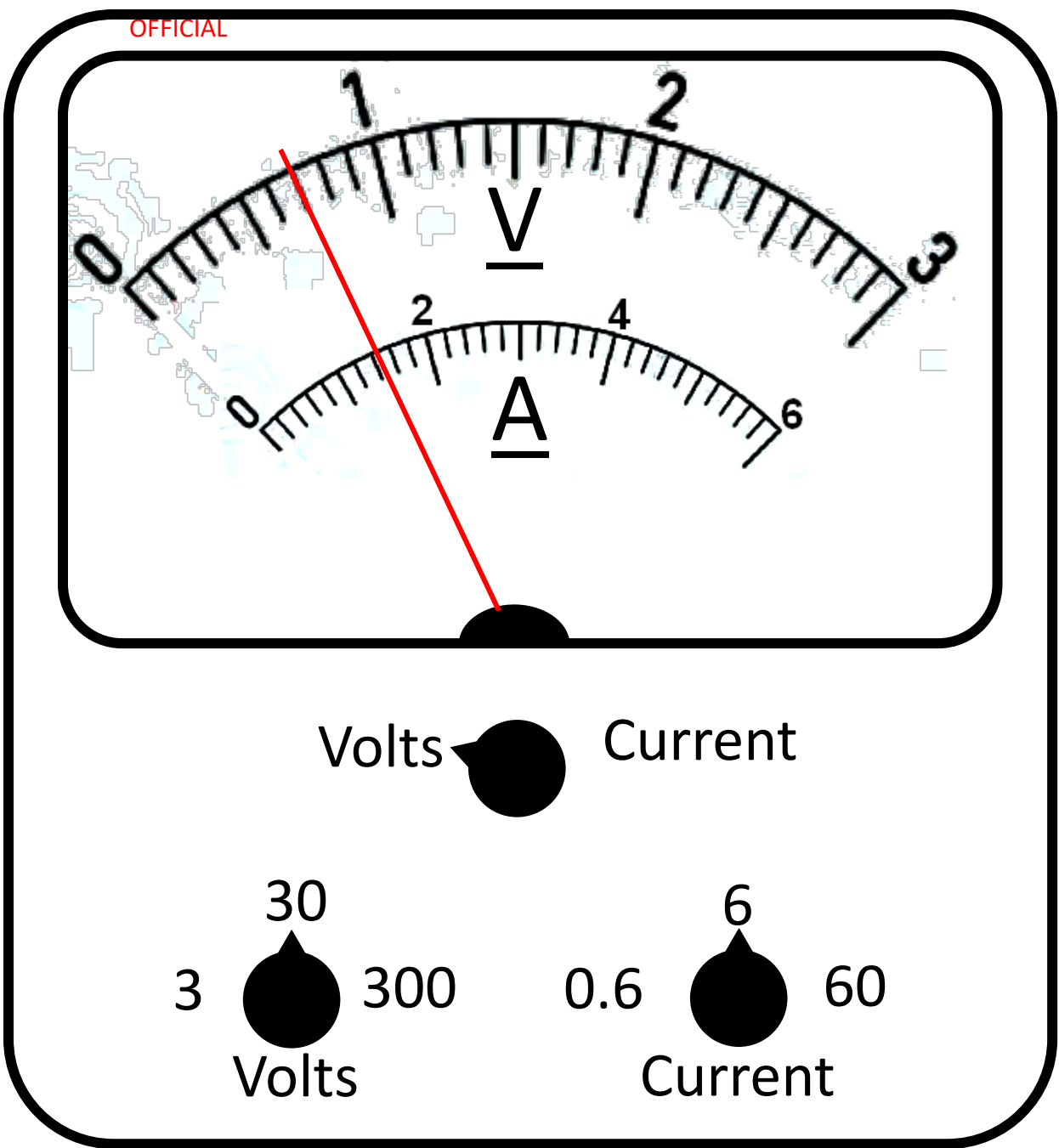
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What is this multimeter reading?

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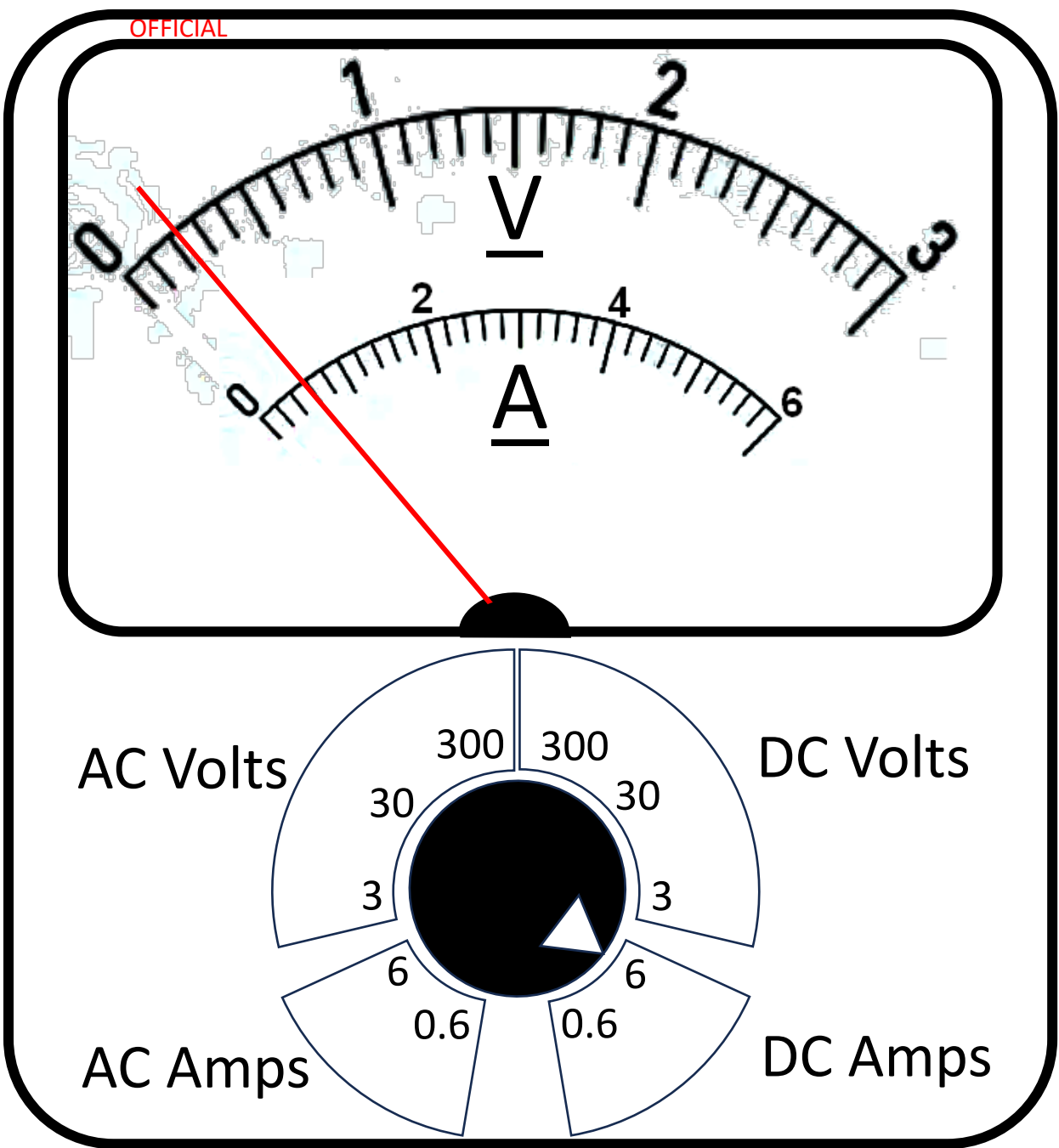
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What is this multimeter reading?

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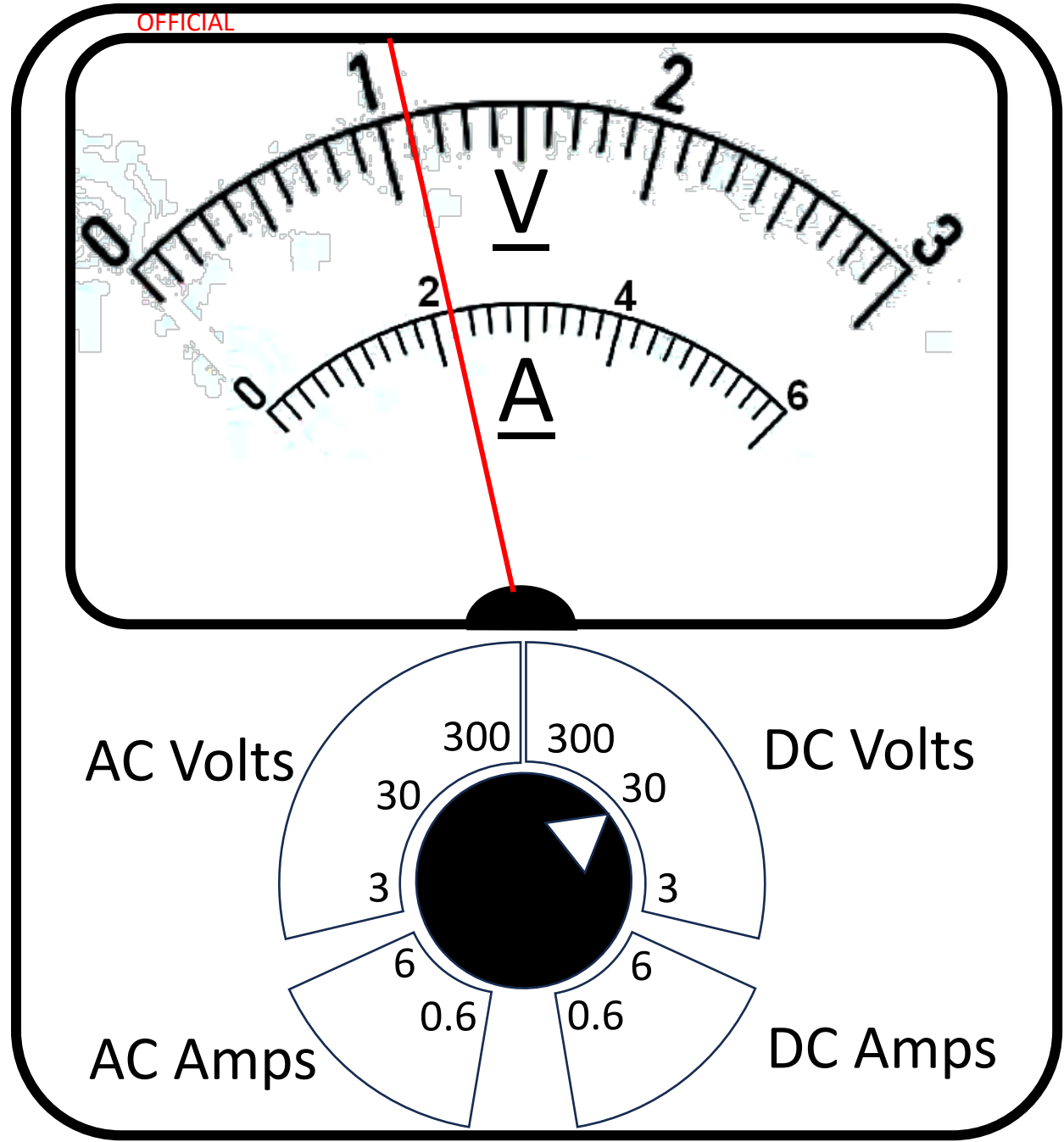


What is this multimeter reading?

OFFICIAL

Volts Current

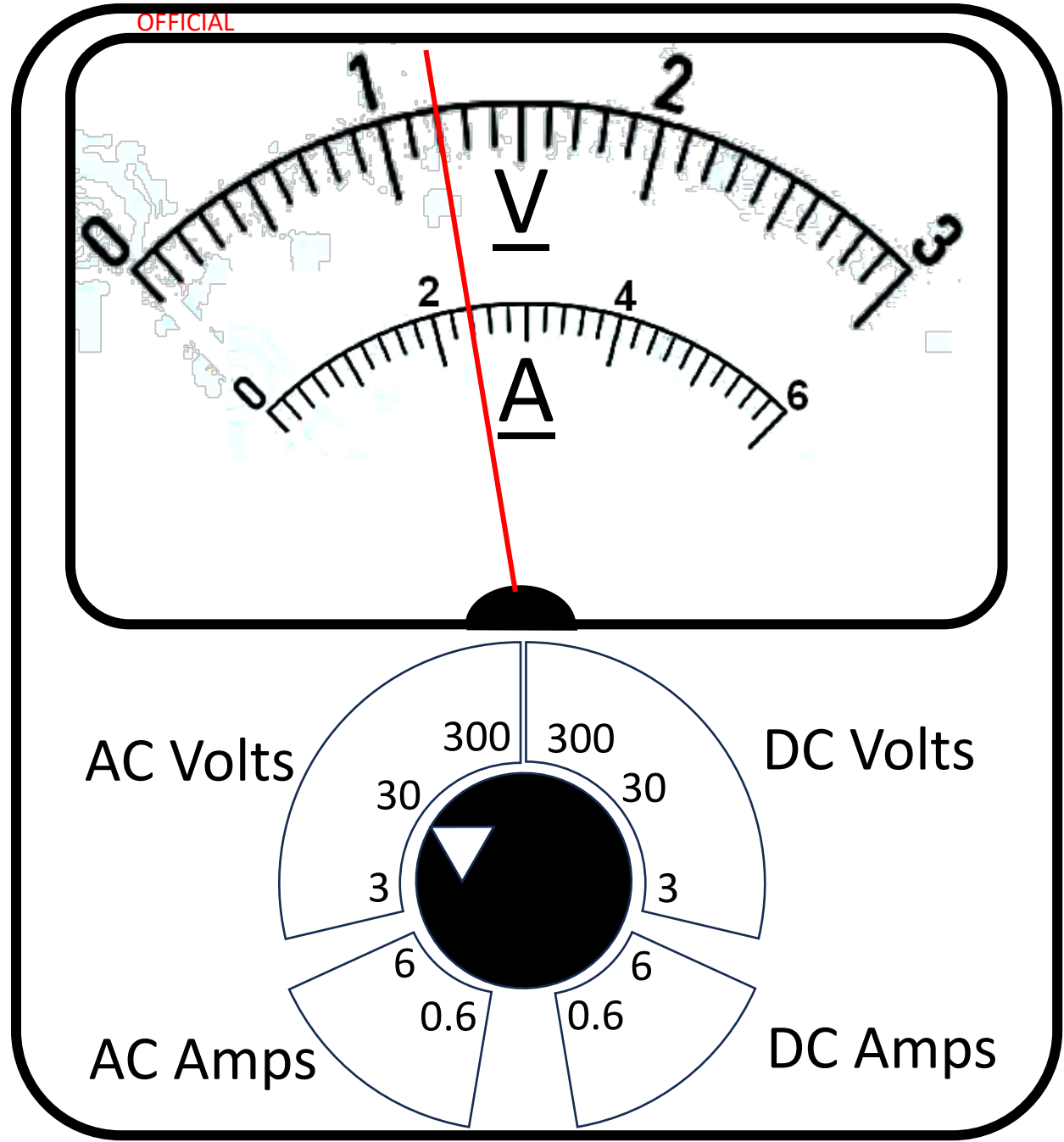
OFFICIAL



What is this multimeter reading?

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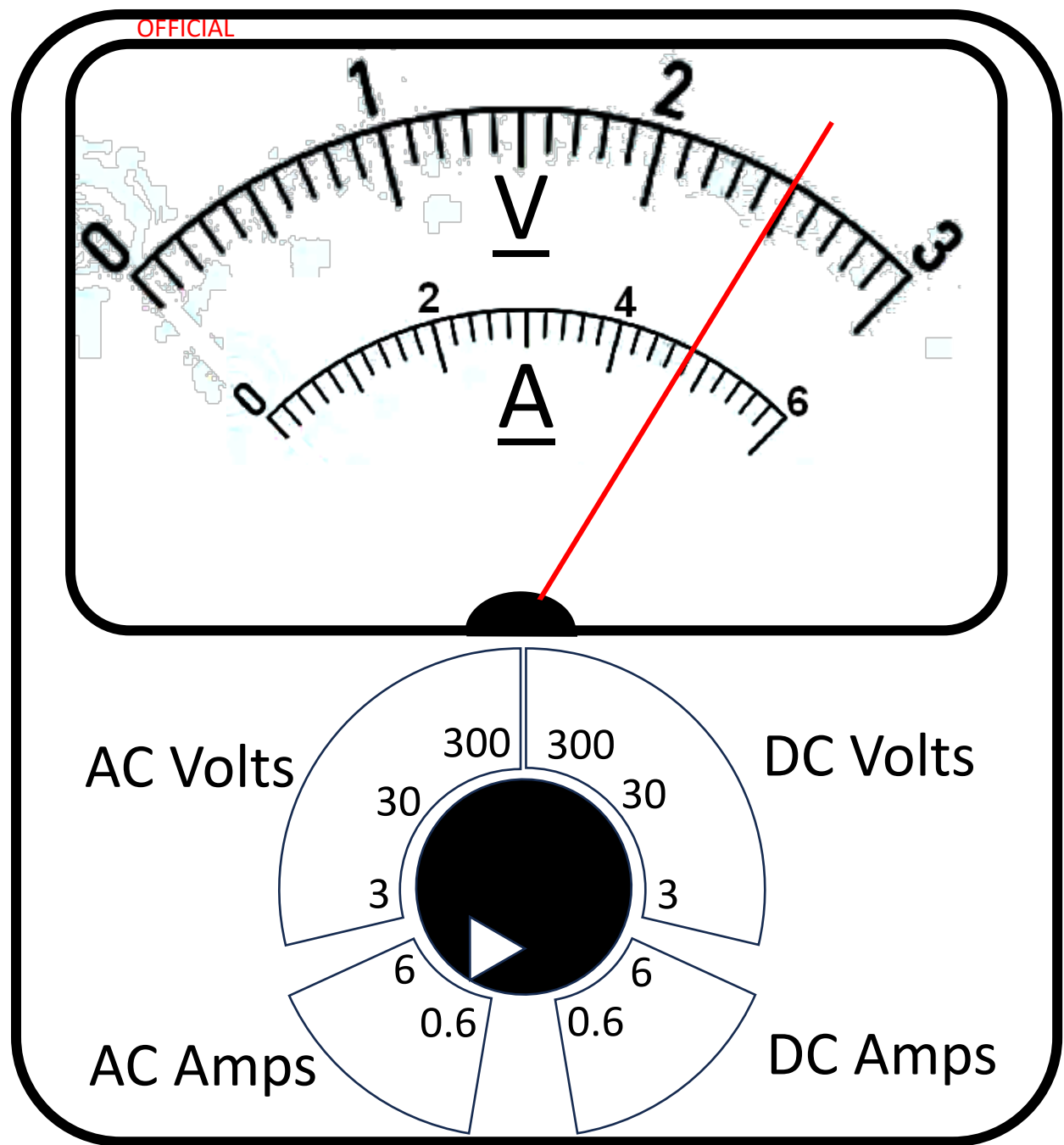
What is this multimeter reading?

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Volts Current

OFFICIAL

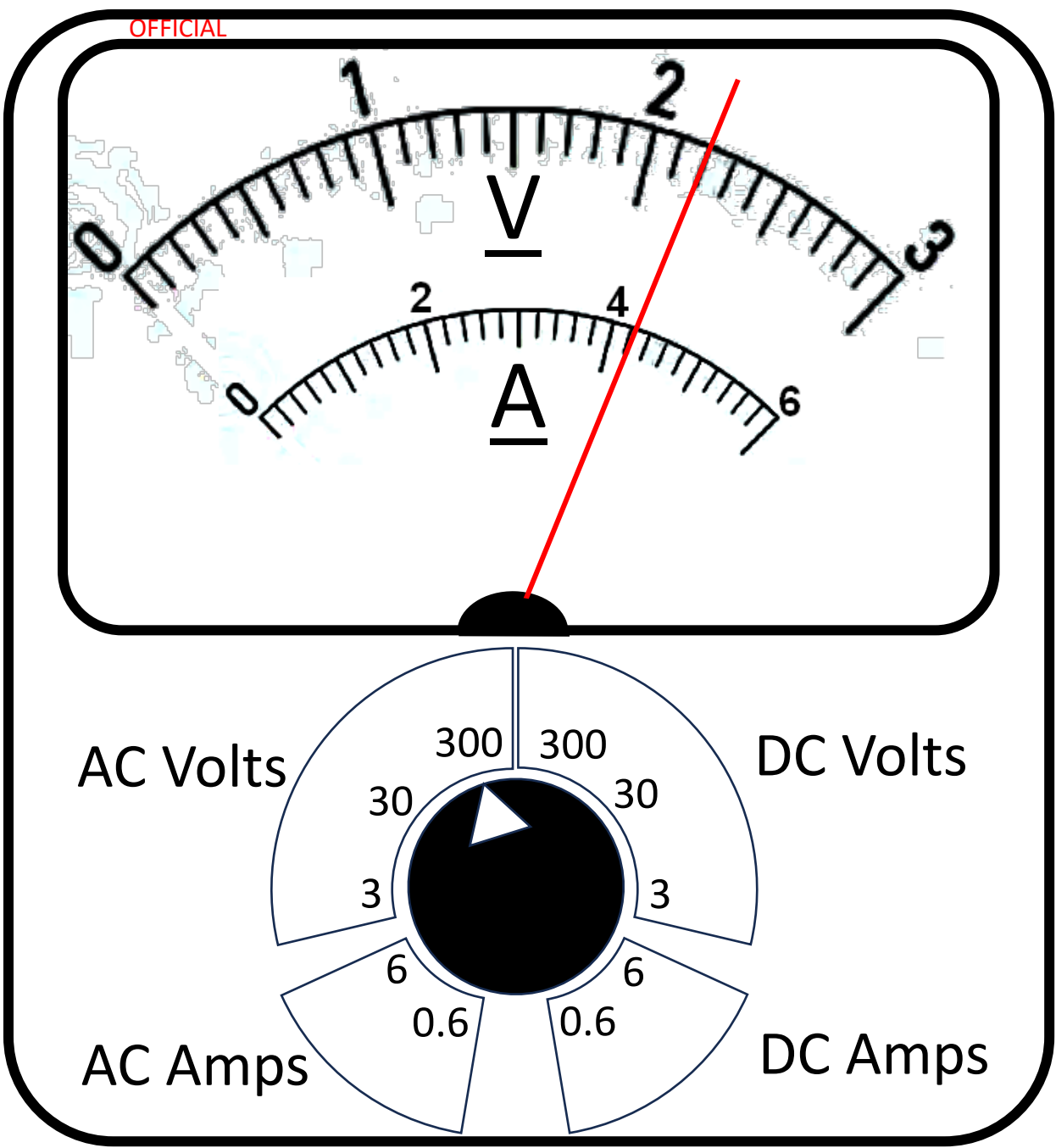
What is this multimeter reading?



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Volts Current

OFFICIAL



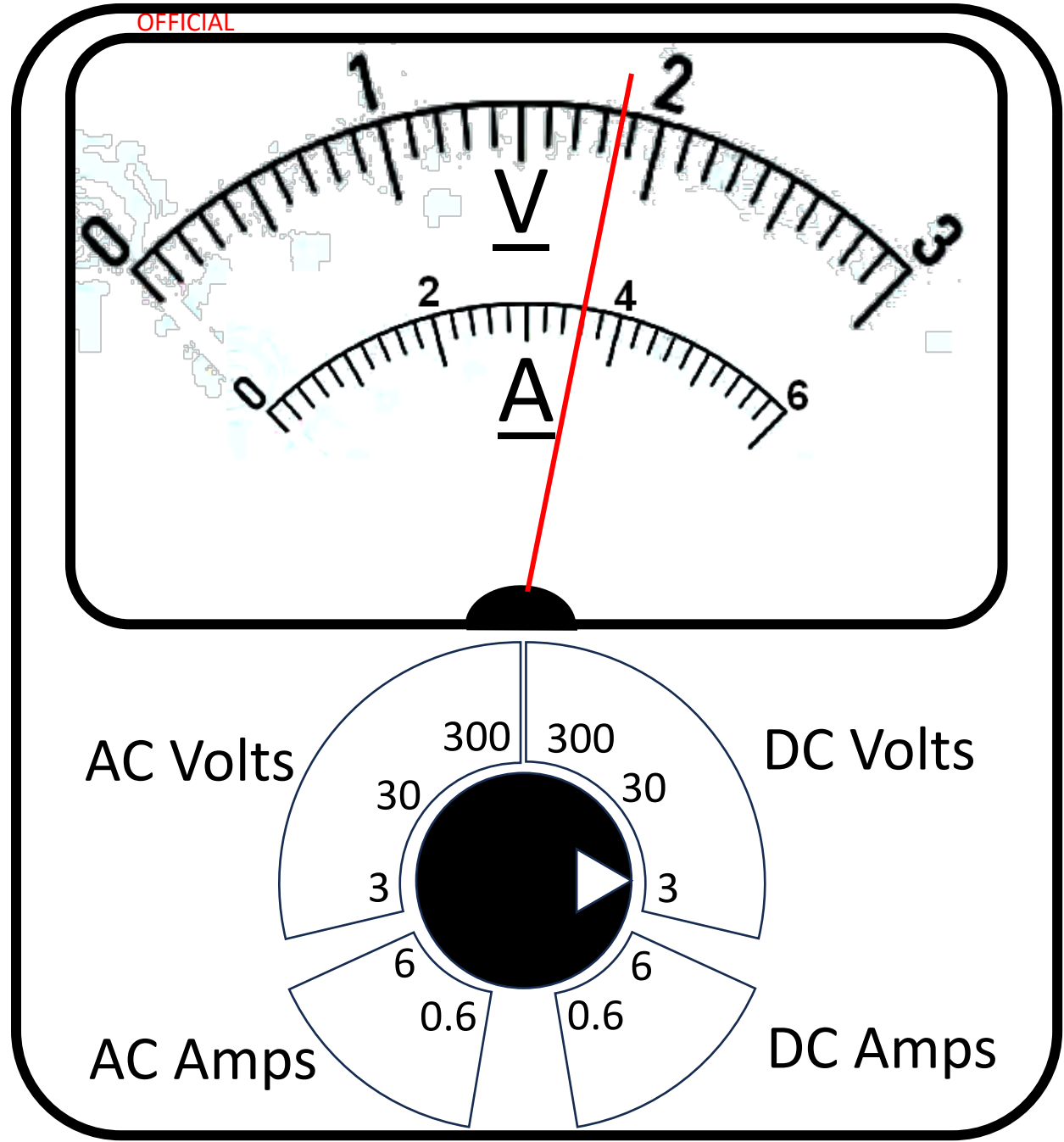
What is this multimeter reading?

OFFICIAL

Volts Current



OFFICIAL



What is this multimeter reading?

OFFICIAL

Volts Current



500 100 50 20 10 5 2 1 OHMS

1kΩ ∞ 50 100 150 200 250 10 20 30 40 8 150 10

DCV mA BATT. dB ACV

B A D ? GOOD

dB: 1mW 600Ω

FUSE & DIODE PROTECTION

ACV RANGE	ADD dB
250	1.4

Ω ADJ.

DG668

Ω X10 X1k OFF 10 DCV

BATT. 9V 1.5V

25 250 50 250 500 DCmA ACV

EN61010 CAT. II 300V

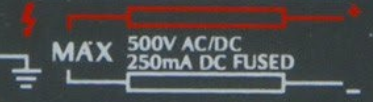
MAX 500V AC/DC 250mA DC FUSED



FUSE & DIODE PROTECTION

ACV RANGE	ADD dB
250	14

EN61010   
CAT. II 300V







500 100 50 20 10 5 2 1 OHMS

1kΩ 100 50 20 10 5 2 1 0

DCV mA 100 50 20 10 5 2 1 0

BATT. dB 20 30 35 36

AC V 10 50 250 500

CE 2kΩ/V DC AC

FUSE & DIODE PROTECTION

ACV RANGE	ADD dB
250	14

Ω ADJ.

DG668

Ω X10 X1k

OFF

DC V

BATT. 9V 1.5V

DCmA 25 250

AC V 50 250 500

EN61010 CAT. II 300V

MAX 500V AC/DC 250mA DC FUSED



500 100 50 20 10 5 2 1 OHMS  
1kΩ ∞  
DCV mA  
50 10 2 100 20 4 150 30 6 200 40 8 250 100 50 10  
BATT. dB  
20 30 35 36  
OdB: 1mW 600Ω  
ACV

FUSE & DIODE PROTECTION

ACV RANGE	ADD dB
250	14

Ω ADJ.

DG668

Ω X10 X1k OFF 10 50 250 500 DCV  
9V 1.5V BATT.  
25 250 50 250 500 DCmA ACV

EN61010 CAT. II 300V

MAX 500V AC/DC 250mA DC FUSED





FUSE & DIODE PROTECTION

ACV RANGE	ADD dB
250	14

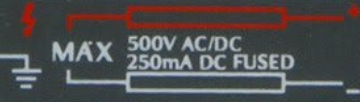
DG668



BATT. 9V 1.5V



EN61010 CAT. II 300V





**DG668**

Ω ADJ.

Ω X10 X1k

OFF

10 50 250 500 DC V

BATT. 9V 1.5V

25 250 500 250 50 AC V

DCmA

EN61010 CAT. II 300V

MAX 500V AC/DC 250mA DC FUSED









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OFFICIAL



OFFICIAL











SCA

UT131A

Auto APO V  
AC 1999

SEL/REL

HOLD/☀

mV=

Ω

☺

➤

REL

V=

μA=

V~

mA=

OFF

A=

CE

10A MAX

COM

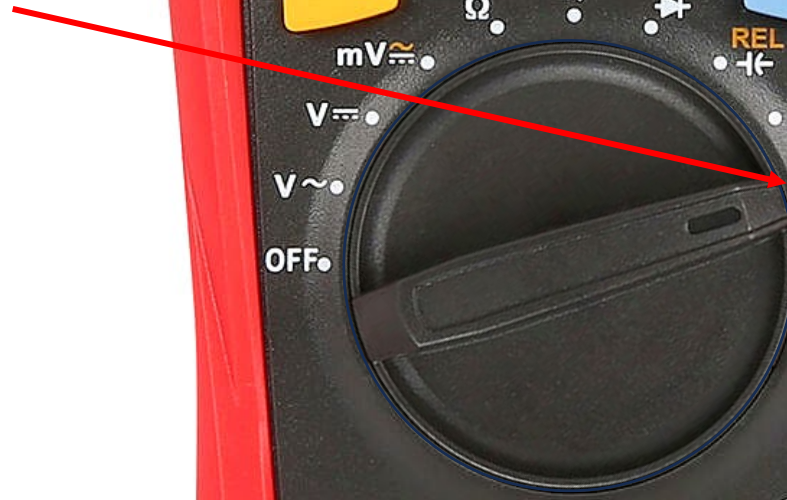
VΩmAμA

FUUSED  
250V Max  
10 sec Max

FUUSED  
200mA Max  
CAT II 250V

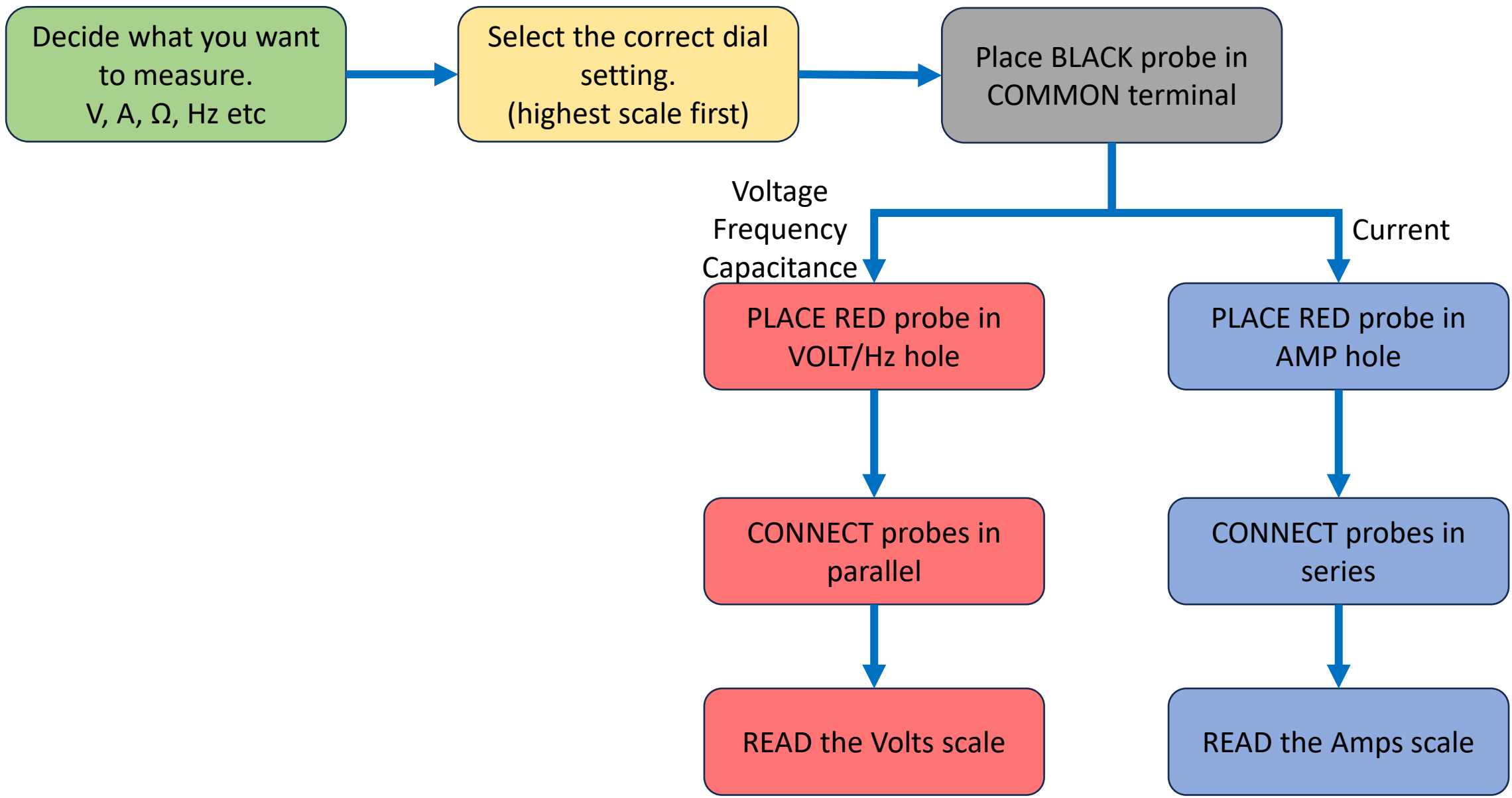


Be Careful !!





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