TECHNICAL SPECIFICATIONS

Housing .5052-H32 aluminum, .050" thick

Meters 50μA current draw each at full scale deflection

PCBA fully custom, 2 layer copper, lead free
average power draw of entire circuit, approx. 300μA

Power Source AA alkaline battery, expected life approx. 1 year
onboard boost regulator will discharge battery to .4v while ouputing a steady 2v to system

Main CPU Atmel ATtiny 24/44/84 family, memory is burned at factory, lock fuse unset so tinker/hackers can program via ISP

Firmware power efficient, fully interrupt driven code

ABOUT AWKWARD ENGINEER

Awkward Engineer started life as a humor blog that made approximately zero dollars. We made the decision to Do Something Different and to use our mechanical engineering background to start designing physical products.

We invested $500 and launched our first product, the Panic Button Light Switch Kit, with a whopping 3 sales, including one to mom and one to dad. Stubbornly refusing to sit on inventory, we cold called our way into a key large retailer, and sold a few thousand units.

To make a long story short, we felt like we were on to something and threw ourselves into product development, learning more and getting better with each product. We now enjoy working on topics as varied as graphic design, microelectronics, mechanical design, embedded firmware, sales and marketing, and more!

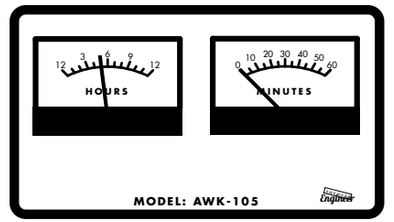
We have a blast designing this stuff and love sharing our work with you! Check out www.awkwardenginer.com to see more and to join our mailing list. Email questions, comments, or your pictures (we love pictures!) to questions@awkwardengineer.com

MODEL

AWK-105

"Analog Voltmeter Clock"

Made in the USA



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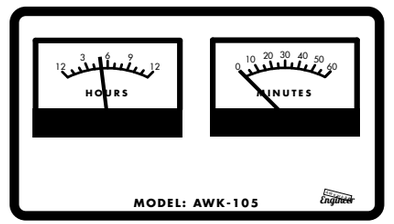

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