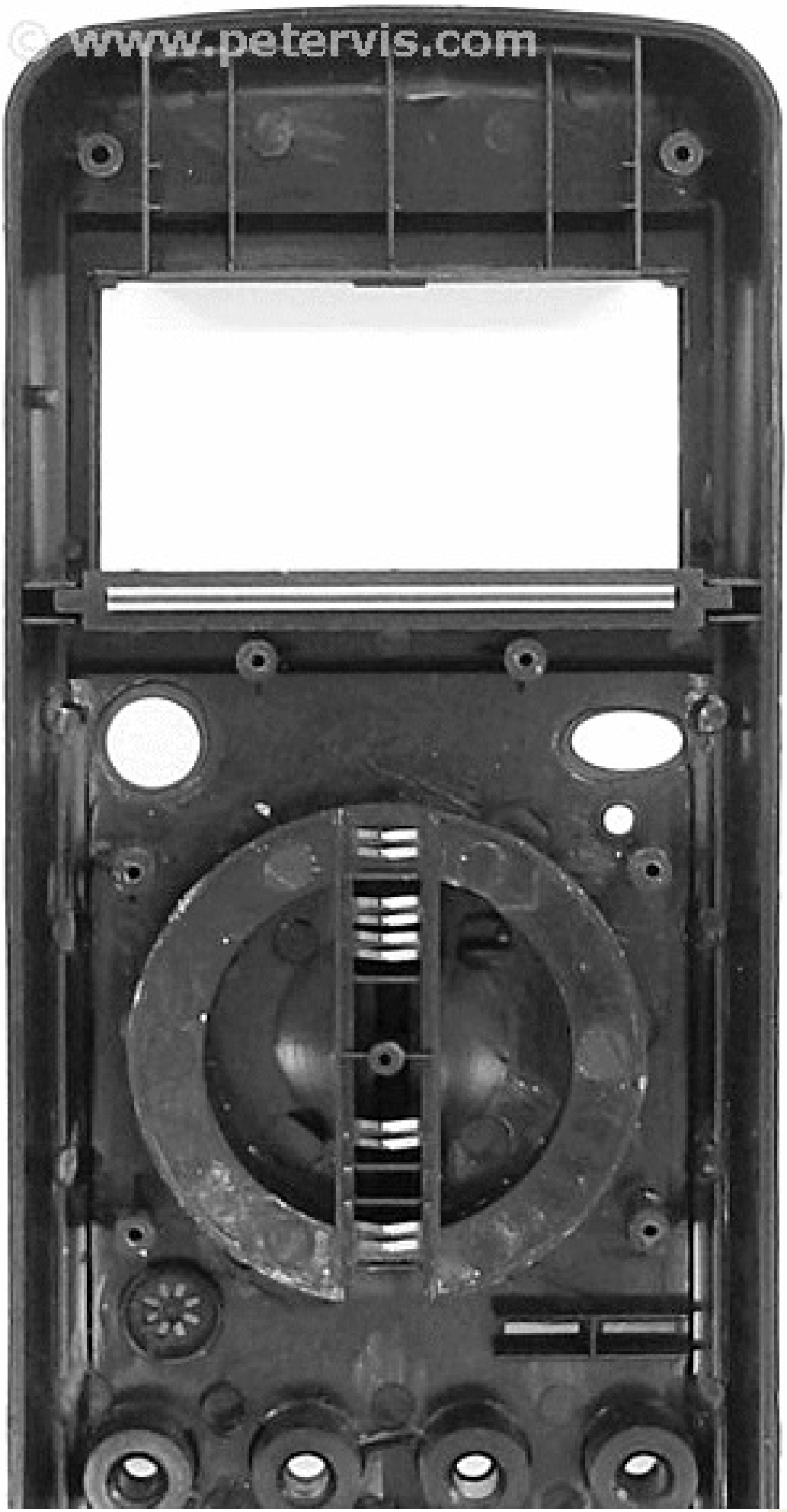


The Excel DT9205A *switch mechanism* consists of a rotary platform with copper strips, which make electrical connection with etched contacts on the printed circuit board. The platform has a locking action because of a spring-loaded metal ball bearing, which lock into the grooves on the plastic platform.

This is a very cost-effective fabrication, using minimum number of parts. Usually the switch is the most expensive part of a meter; however, this technique is probably a sign of the times to come.

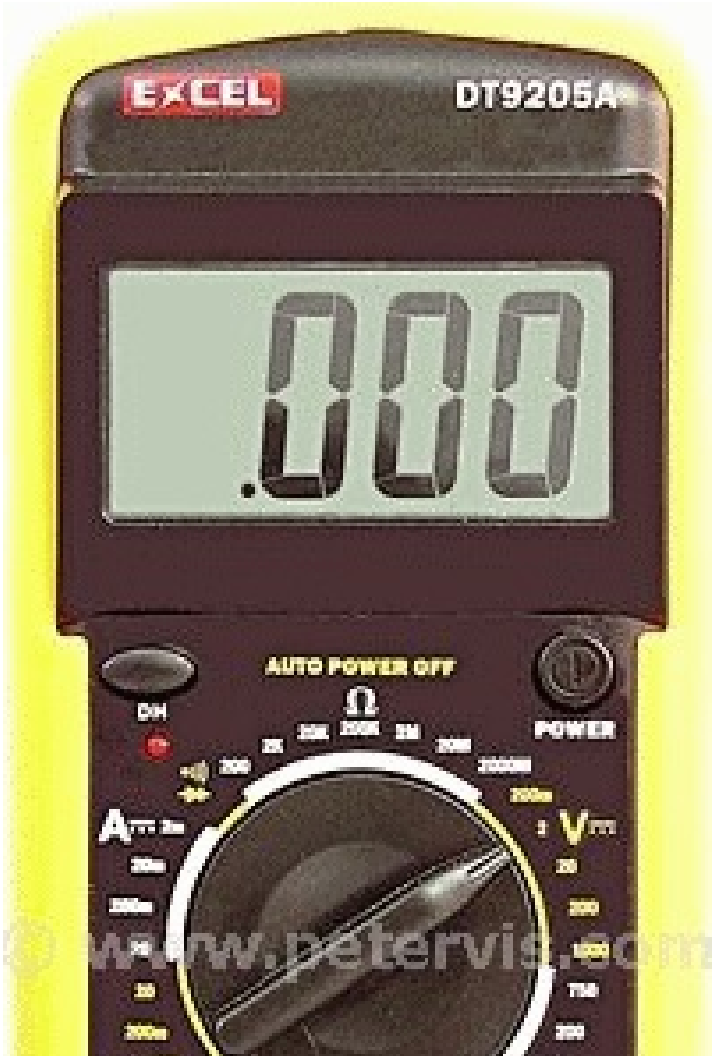
↑ Click image to enlarge ↑

PCB Etched Contacts

↑ Click image to enlarge ↑

Etching the *switch contacts* on the printed circuit board saves money and fabrication costs, and it seems to work extremely well.

This Article Continues...



Excel DT9205A
Excel DT9205A Cover Off
Excel DT9205A Inside
Excel DT9205A Switch Mechanism
Excel DT9205A Piezo Buzzer
Excel DT9205A Battery Compartment
Excel DT9205A Packaging

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