



transistors. Each display is blanked before displaying the value to prevent ghosting. A temperature sample is read every 30 s to prevent the value displayed from changing due to fluctuations in the temperature. An LP2950 is used to regulate the supply volt-

age to 5 V. This is a low dropout regulator which can work down to 6 V hence juicing the battery for the last drop of energy. The thermometer may also be run from three AA dry batteries in series with no series regulator.

The PIC software can be downloaded free of charge from the Elektor website. The archive file number is 080418-11.zip. The software was developed using CCS C.

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