

# Features

## 8 Review: Yokogawa DL9000 Series Digital Scopes

*Yokogawa's new digital oscilloscopes offer GHz bandwidth for less money than the competition and they won't hog your desktop either – by Peter Smith*

## 11 BiLock: Using Fingerprints To Unlock Doors

*No keys, no cards, no PINs . . . but it's very secure – by Ross Tester*

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*Leading-edge Australian communications receivers link to a PC for awesome performance – by Kevin Poulter*

## 76 “Degen” Synthesised HF Communications Receiver

*Tiny communications receiver covers the 100kHz to 30MHz MF/HF bands plus the 88-108MHz FM broadcast band – by Ross Tester*

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*The battle of the “tashes” . . . what makes them tick – by Leo Simpson*

# Projects To Build

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*Adjustable design works all the way up to 245°C, has adjustable hysteresis & can switch on rising or falling temperatures – by John Clarke & Julian Edgar*

## 28 Intelligent Car Air-Conditioner Controller

*It stops your car's air-conditioner from sapping engine power when going up hills or during overtaking. It could even save on fuel costs – by John Clarke*

## 58 A Remote Telltale For Garage Doors

*Did you leave the garage door up or down? This unit uses a pair of UHF wireless modules & has LED indicators to tell you whether the door is fully up, fully down or somewhere in between – by Jim Rowe*

## 78 Intelligent 12V Charger for SLA & Lead-Acid Batteries

*Here's a cheap & simple battery charger which you can leave connected without risk of overcharge – by Branko Justic & Ross Tester*

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