# AGD318

Traffic Control Radar

The AGD318 Traffic Control Radar is a 'next-generation' product that realises junction efficiencies by bringing a flexible cost-effective solution that's easy to deploy, setup and maintain. It is a single-lane multi-loop-replacement radar with stationary vehicle recognition for queuing traffic detection. The AGD318 is ideal for use on approaches to pedestrian crossings & junctions and a complete detection solution for MOVA schemes.

Developed from enforcement-grade technology, the AGD318 is a 'smart' non-intrusive alternative to wear & tear prone loop and magnetometer detection in single-lane environments. This device improves safety and efficiency in MOVA 'In' and 'X' detection, System D and Double Extension applications, and also in cyclist, HGV and bus detection & differentiation 'green wave' applications.

Installation & setup is cost-effective as 318's are mounted on existing poles - no road closures for loop cutting or cable channelling, they're maintenance free too. The AGD318 has opto-outputs which are easily integrated into controllers - and the stand out benefit of AGD Touch-setup. This allows the configuration of multiple units at ground level or the comfort of a vehicle – a great saving in time and exposure to traffic risk.

The AGD318's accurate virtual-loop technology, with speed discrimination & stationary detection can emulate two inductive-loops up to a range of up to 150 metres, or lane-specific detection up to 40 metres with one AGD318 per lane. In traffic control applications, the AGD318 tracks up to 12 targets and 'reports' when virtual-loops are triggered. The AGD318 can make loops 'smart' as well – for example, to prioritise buses over cars at bus-gates.

Queue Detection Point
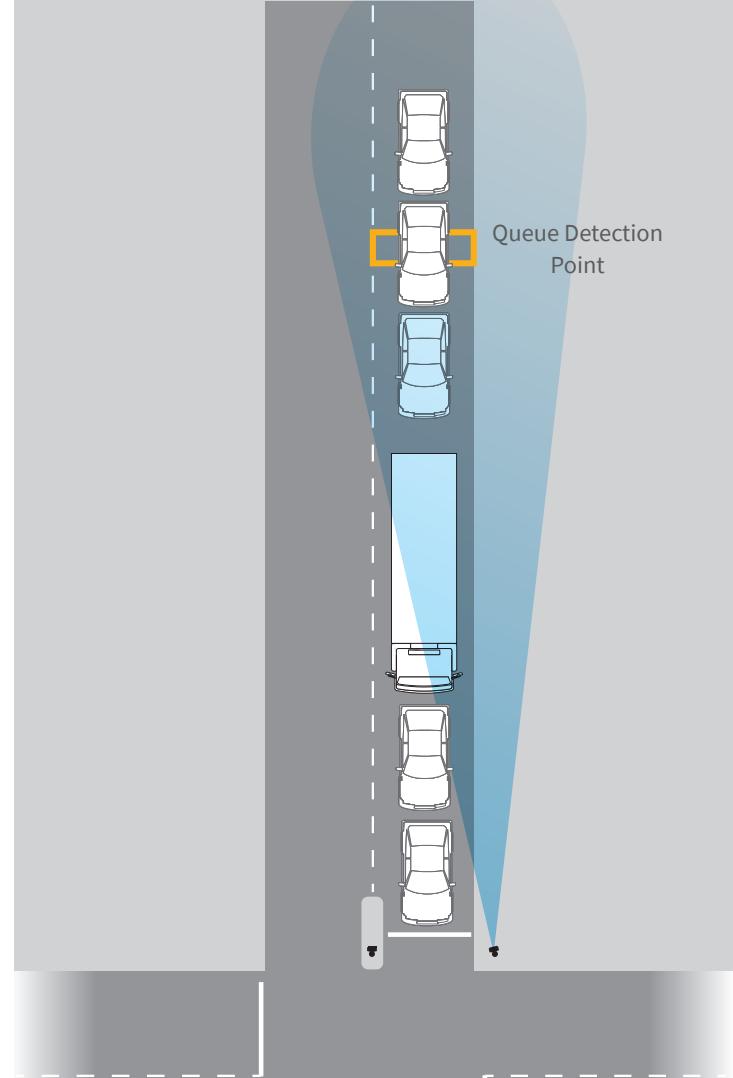
KEY FEATURES

- Approach & Recede Detection
- Stationary/Queuing Traffic Detection
- MOVA Compatible In & X
- Accurate Virtual-loop Technology
- Low Install & Maintain Costs
- Simple WiFi AGD Touch-setup

AGD® **AUSTRALASIA**

SAFER
GREENER
MORE EFFICIENT

AGD318

Traffic Control Radar

AGDTOUCH

WIFI 3 Click Setup

WIFI AGD TOUCH–SETUP WITH QUICK–PLACE VIRTUAL–LOOP TOOL

The AGD318 is quick to setup using any WiFi device – smart-phone, tablet or laptop – with its unique & secure AGD Touch-setup that allows installers to configure devices in simple steps.

1.   Observe the radar's real-time 'view'

2.   Place loops accordingly and apply filters

3.   Click to save

Virtual loops may be 'moved' just as easily in the same way and configurations pre loaded onto multiple or replacement units to save deployment time.
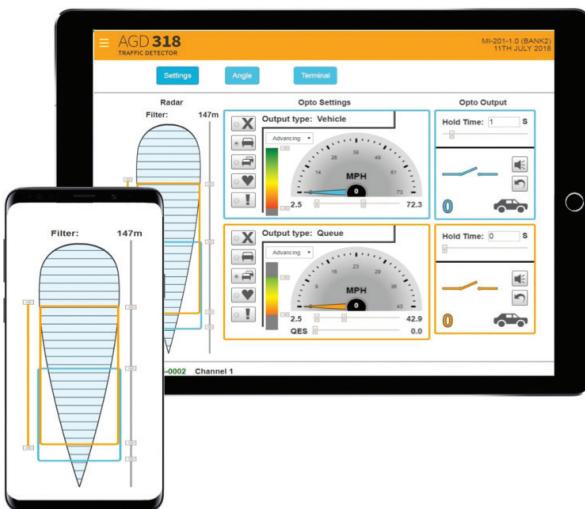
PRODUCT SPECIFICATION

Technology	FMCW Radar Technology
Target Tracking	Discriminates between individual approaching/receding/bi-directional
Range	6m up to 150m
Speed Measurement	4-300kph (variant dependent)
Power	225mA / 2.7W @ 12Vdc
Detect Output	Opto, RS422
Housing Material	Black polycarbonate
Sealing	SealingIP65
Operating Temp	-20°C to +60°C
Configuration	WiFi AGD Touch-setup (or RS422)
Dimensions	W 163.5 x D 78mm x H 159mm
Weight	0.7kg
Testing	Full test cycle – AGD Certified
Approvals	ETSI EN 301489, BS EN 50293, ETSI EN 300 440, BS EN 60950, FCC (Part 15) AS/NZS 4268

DIMENSIONS

159mm

163.5mm   163.5mm   78mm
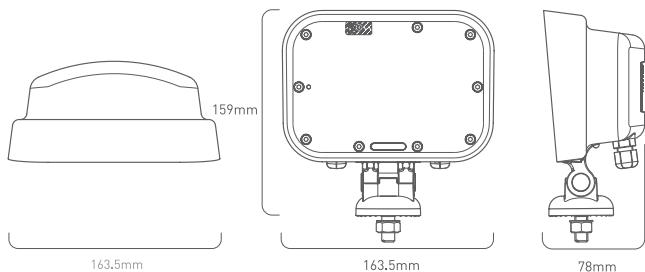
TESTED AND AGD CERTIFIED

All AGD products are Tested, Calibrated and AGD Certified so customers know that all devices will perform exactly as described.

AGD Systems Pty Ltd

U 17/15 Valediction Road
Kings Park, NSW 2148

Tel: +61 (0) 2 9653 9934
Email: Admin@agd-systems.com.au
Web: agd-systems.com.au

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