



Ultimate Lite Collar Range

Technology:  Radio

Product:  Collar

Ship rat (*Rattus rattus*) © Andrea Byrom 2013



Extensively tested for toughness before earning the name 'Ultimate'

Ultimate VHF Collars are rugged designs that have been field-proven over many years in the harshest of environments. Our Ultimate VHF Collars combine proven electronics with robust, synthetic materials and modern manufacturing processes to produce a cost-effective design, well-suited to meet the rigorous demands that typify use in terrestrial wildlife studies.

Options

- Temperature sensing and transmission for increased data value.
- Packing material options for increased durability.
 - Standard (as specified in table)
 - Heavy Duty (same weight as standard, suited to animals who will chew transmitter)
- Antenna gauge and length options for increased durability and range.

Features:



Temperature

Longer life:

For increased study life

VHF beacon:

Superior transmission power for improved range detection

Product Applications

Home range analysis, survival, presence/absence.

Model	Weight ^[1] (g)	Collar type	Antenna type	Antenna length	Life ^[2] pulse width (days)	
					30ppm	40ppm
VIC 102A	1.5	Non-replaceable cable tie	Whip (solid)	100	32	26
VIC 102B	3.2	Brass band	-	-	32	26
VIC 102C	1.7	Replaceable cable tie	Whip (stranded)	100	32	26
VIC 105A	1.6	Non-replaceable cable tie	Whip (solid)	100	56	46
VIC 105B	3.4	Brass band	-	-	56	46
VIC 105C	1.9	Replaceable cable tie	Whip (stranded)	100	56	46
VIC 106A	1.8	Non-replaceable cable tie	Whip (solid)	100	61	51
VIC 106B	3.6	Brass band	-	-	61	51
VIC 106C	2.1	Replaceable cable tie	Whip (stranded)	100	61	51
VIC 110B	4.5	Brass band	-	-	107	89
VIC 110C	3.0	Replaceable cable tie	Whip (stranded)	150	107	89
VIC 115B	5.1	Brass band	-	-	204	169
VIC 115C	3.6	Replaceable cable tie	Whip (stranded)	150	204	169
VIC 116B	5.9	Brass band	-	-	242	200
VIC 116C	4.4	Replaceable cable tie	Whip (stranded)	150	242	200
VIC 118B	6.5	Brass band	-	-	369	306
VIC 118C	5.0	Replaceable cable tie	Whip (stranded)	150	369	306

- Weights are based on the antenna gauges and antenna lengths indicated in the table. Changing antenna length and gauge will vary the weight. Please contact Lotek to discuss requirements.
- VHF life estimates are based on continuous operation at 25°C and pulse width of 18ms. Actual life may be reduced up to 50% at operating temperature boundaries.

Features and specifications subject to change without notice.

Technical specifications:

Operating temperature range: -20°C to +50°C

VHF frequency range: 142 to 174 MHz

Brass band Circumference:

50 - 70mm, 70 - 90mm, 90 - 110mm, 110 - 130mm, 130 - 150mm.

Cable Tie Circumference: 55 - 90mm

Warranty

Contact one of our telemetry specialists for details about our warranty. For Warranty terms and conditions, please review our [Warranty Statement](#).