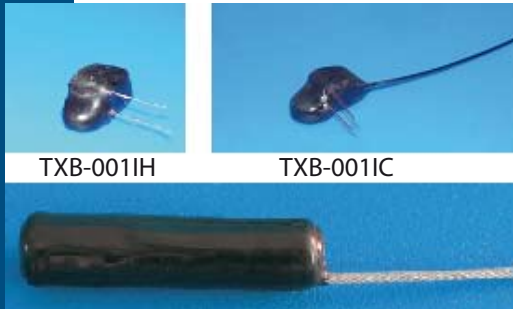


# IMPLANT



TXE-315IC

TXE-125IH

TXE-311IH

TXE-315IH

TXE-317IH

TXE-335IH

Some applications:

- Mammals whose neck is larger than the head (e.g. otters).
- Rhino's horns
- Cows (into the rumen)
- Snakes
- Any specie that is to be protected against theft.

There are 2 options depending on the type of antenna used:

IC - Implant with Cable antenna: External type of antenna which can be of different lengths. The longer the antenna the better detection range. The cable can be implanted subcutaneous or can be totally external.

IH - Implant with Helix internal antenna: The total length of the antenna is coiled inside the housing so it can not be seen and the entire transmitter looks like a capsule with nothing protruding. This option causes a very important decrease in signal strength but is the most commonly used Implant option.

Model	Weight [gr] for C - Cable antenna	Housing dimensions [mm] (dia=diameter) for C - Cable antenna	Weight [gr] for H - Helix internal antenna	Housing dimensions [mm] (dia=diameter) for H - Helix internal antenna	RANGE vs LIFE			PRICE
					Range Without obstacles [km]	Lifetime (D-Days; M-Months; Y- Years)	Pulse width [ms] @ Pulses Per	
TXB-001I	0.6	11x7x6	0.7	11x7x6	4	14 D	25 @ 40	A
TXB-002I	0.7	12x7x6	0.75	12x7x6	4	20 D	25 @ 40	A
TXB-003I	0.8	12x7x6	0.8	12x7x6	4	28 D	25 @ 40	A
TXB-004I	0.9	13x7x6	1	13x7x6	4	35 D	25 @ 40	A
TXB-005I	1.4	15x9x7	1.4	15x9x7	4	50 D	25 @ 40	B
TXB-006I	1.8	17x9x7	1.7	17x9x7	4	80 D	25 @ 40	B
TXB-007I	3	19x10x10 -o-	2.9	19x10x10 -o- 10diax17	4	4 M & 15 D	25 @ 40	A
TXB-008I	4.4	26 x 14 x 8	4.2	26 x 14 x 8	4	7 M & 5 D	25 @ 40	A
TXB-009I	5.2	26x14x9	5	26x14x9	4	10 M & 25 D	25 @ 40	A
TXB-110I	2.2	20 x 9 x 7	2	20 x 9 x 7	20	27 D	25 @ 40	A
TXE-110I	2.4	20 x 11 x 7	2.2	20 x 11 x 7	30	9 D	30 @ 40	A
					25	14 D	20 @ 40	
						20 D	20 @ 30	
TXB-112I	2.7	15 x 14 x 8	2.5	15 x 14 x 8	20	45 D	25 @ 40	B
TXE-112I	2.9	15 x 16 x 8	2.7	15 x 16 x 8	30	15 D	30 @ 40	B
					25	22 D	20 @ 40	
						28 D	20 @ 30	
TXB-116I	4.7	18dia x 9 -o- 27 x 18 x 7	4.5	18dia x 9 -o- 27 x 18 x 7	20	4 M	25 @ 40	B
TXE-116I	5.1	18dia x 11 -o- 29 x 18 x 7	4.9	18dia x 11 -o- 29 x 18 x 7	30	31 D	30 @ 60	B
						45 D	30 @ 40	
					25	65 D	20 @ 40	
						85 D	20 @ 30	

Model	Weight [gr] for C - Cable antenna	Housing dimensions [mm] (dia=diameter) for C - Cable antenna	Weight [gr] for H - Helix internal antenna	Housing dimensions [mm] (dia=diameter) for H - Helix internal antenna	RANGE vs LIFE			PRICE
					Range Without obstacles [km]	Lifetime (D-Days; M-Months; Y-Years)	Pulse width [ms] @ Pulses Per Minute	
TXB-120I	6	21 dia x 9	7.5	21 dia x 12	20	7M & 10 D	25 @ 40	B
TXE-120I	6.7	21 dia x 10	8.3	21 dia x 13	30	50 D	30 @ 60	B
						73 D	30 @ 40	
					25	3 M & 15 D	20 @ 40	
						4 M & 15 D	20 @ 30	
TXE-203I	8	19 x 19 x 14	9.5	19 x 19 x 19	30	70 D	30 @ 60	D
						3 M & 10 D	30 @ 40	
					25	4 M & 25 D	20 @ 40	
						6 M & 5 D	20 @ 30	
TXE-304I	8.5	12dia x 34	10	12dia x 42	30	95 D	30 @ 60	C
						4 M & 15 D	30 @ 40	
					25	6 M & 15 D	20 @ 40	
						8 M & 10 D	20 @ 30	
TXE-207I	13.5	20 x 29 x 13	15	20 x 29 x 18	30	5 M	30 @ 60	D
						7 M & 7 D	30 @ 40	
					25	10 M & 10 D	20 @ 40	
						13 M & 10 D	20 @ 30	
TXE-124I	13.5	27dia x 11	15	27 dia x 16	30	3 M & 25 D	30 @ 60	C
						5 M & 15 D	30 @ 40	
					25	7 M & 25 D	20 @ 40	
						10 M	20 @ 30	
TXE-125I	17	27dia x 14	19	27dia x 19	30	6 M & 20 D	30 @ 60	C
						9 M & 20 D	30 @ 40	
					25	13 M & 25 D	20 @ 40	
						17 M & 20 D	20 @ 30	
TXE-311I	17	17dia x 40	17	17dia x 48	30	9 M & 20 D	30 @ 60	D
						14 M	30 @ 40	
					25	19 M & 20 D	20 @ 40	
						2 Y & 20 D	20 @ 30	
TXF-311I	17	17dia x 40	17	17dia x 48	40	6 M	50 @ 60	D
						8 M & 25 D	50 @ 40	
TXE-315I	27	17dia x 68	26	17dia x 76	30	21 M & 5 D	30 @ 60	D
						2 Y & 6 M	30 @ 40	
					25	3 Y & 6 M	20 @ 40	
						4 Y & 6 M	20 @ 30	
TXF-315I	27	17dia x 68	26	17dia x 76	40	13 M	50 @ 60	D
						19 M	50 @ 40	
TXE-317I	55	17 x 63 x 30	57	17 x 73 x 30	30	3 Y & 6 M	30 @ 60	E
						5 Y	30 @ 40	
					25	7 Y	20 @ 40	
						9 Y	20 @ 30	
TXF-317I	55	17 x 63 x 30	57	17 x 73 x 30	40	2 Y & 2 M	50 @ 60	E
						3 Y & 55 D	50 @ 40	
TXE-335I	73	28dia x 61	75	28dia x 68	30	3 Y & 10 M	30 @ 60	E
						5 Y & 6 M	30 @ 40	
TXF-335I	73	28dia x 61	75	28dia x 68	40	2 Y & 5 M	50 @ 60	E
						3 Y & 6 M	50 @ 40	
TXE-345I	120	36dia x 73	122	36dia x 80	30	8 Y & 8 M	30 @ 60	E
						12 Y & 6 M	30 @ 40	
TXF-345I	120	36dia x 73	122	36dia x 80	40	5 Y & 5 M	50 @ 60	E
						7 Y & 11 M	50 @ 40	
Model	Weight [gr] for C - Cable antenna	Housing dimensions [mm] (dia=diameter) for C - Cable antenna	Weight [gr] for H - Helix internal antenna	Housing dimensions [mm] (dia=diameter) for H - Helix internal antenna	RANGE vs LIFE			PRICE
					Range Without obstacles [km]	Lifetime (D-Days; M-Months; Y-Years)	Pulse width [ms] @ Pulses Per Minute	

**Sensors:**

- TXB Models: No sensors available.
- TXE & TXF Models: Any of the following sensors available:
  - Activity / Inactivity
  - Mortality
  - Position

**Activation:**

- By removing a magnet.
- TXB-001 to TXB-004, TXB-110 & TXE-110: Activation is made by soldering two wires. Activation by magnet can be included but this will cause a small increase in weight and dimensions.

**Weight and dimensions:**

- Dimensions include electronics, battery and housing. Antenna dimension included on Helix internal option only.
- Weight includes all parts forming the system.

**Range:**

- Without obstacles or LOS (Line of Sight). Detection range under ideal conditions including there are no obstacles between the transmitter and the receiving antenna.

**Lifetime:**

- Life is calculated over a mean temperature of 20° C (68° F).

**Refurbishment:**

- Once used, all our models are susceptible of refurbishment for a fraction of the cost of a new one.

**Frequencies:**

- Any frequency between 148 and 174 MHz. Frequencies between 216 to 222 MHz available except on models which start with TXB-0.

**Warranty:**

- Same time as estimated battery lifetime; minimum 2 months, maximum 18 months.

**Price:**

In order to get the price list please follow this link:

<http://www.telenax.com/English/Products/Prices.pdf>