

# TECHNISONIC



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**DALLAS AVIONICS, INC.**

## AIRBORNE FM TRANSCEIVER PRODUCTS (2012 Current Production Specifications)

P25 Comp.	TECHNISONIC MODEL	VHF LO	VHF HI (!)	UHF LO (!)	UHF HI (!)	700/800M Hz (!)	# of Radios	Memory Positions	Guard Receiver	Display Lines	Height [inch]	Weight [Lbs/Kg]	Optional Features	Temp. Range [C°]
✓P25	<b>TDFM-7300</b> Analog/Digital/Encrypted Trunked/ Multi-band FM	30-50 Analog	136-174	380-470	450-520	764-870	5/1	1000 ch/band (200 ch for VHFLO)	No Scan only	6	4.5"	6.0 Lbs (2.7 Kg)	AES, DES Encryption P25/Smart Net/Zone Trunking	-30/+60 (Short term +70)
✓P25	<b>TDFM-7000</b> Analog/Digital/Encrypted Trunked/ Multi-band FM		136-174	380-470	450-520	764-870	4/1	1000 ch/band	No Scan only	5	3.75"	6.0 Lbs (2.7 Kg)	AES, DES Encryption P25/Smart Net/Zone Trunking	-30/+60 (Short term +70)
✓P25	<b>TDFM-6000</b> Analog/Digital/Encrypted Trunked/ Multi-band FM		136-174	380-470	450-520	764-870	4(*)	1000 ch/band	No Scan only	2 (display for only 1 at a time)	3.0"	4.2 Lbs (1.9 Kg)	AES, DES Encryption P25/Smart Net/Zone Trunking	-45/+50
✓P25	<b>TDFM-636</b> Dual VHF FM Transceiver		136-174				2	1000 ch	No Scan only	2	3.0"	4.2 Lbs (1.9 Kg)		-45/+60
✓P25	<b>TDFM-136A</b> (-136 Discont.) Digital/Analog VHF FM		136-174				1	230 ch	Scan + 2ch syn	2	3.0"	3.5 Lbs (1.6 Kg)		-45/+70
	<b>TFM-566</b> VHF High/Low band FM Transceiver (export only)	66-88	138-174				2/1	400 ch total	Scan + 2ch syn	4	3.75"	5.1 Lbs (2.3 Kg)		-45/+70
	<b>TFM-556</b> UHF and VHF High/Low band FM. (export only)	66-88	138-174	403-	-512		3/1	600 ch total	No Scan only	4	3.75"	5.2 Lbs (2.4 Kg)		-45/+70
	<b>TFM-550</b> UHF and VHF High/Low band FM	30-50	138-174	403-	-512		3/1	600 ch total	No Scan only	4	3.75"	5.1 Lbs (2.3 Kg)		-45/+70
	<b>TFM-530</b> VHF High/Low band FM	30-50	138-174				2/1	400 ch total	Scan + 2ch syn	4	3.75"	5.1 Lbs (2.3 Kg)		-45/+70
	<b>TFM-500</b> VHF/ UHF FM		138-174	403-	-512		2/1	400 ch total	Scan + 2ch syn	4	3.75"	4.7 Lbs (2.2 Kg)		-45/+70
	<b>TFM-403</b> UHF FM			403-	-512		1	120 ch	2ch syn.	2	3.0"	3.1 Lbs (1.4 Kg)		-45/+70
	<b>TFM-138D</b> (DF Signal Output) VHF/FM		138-174				1	120 ch	Scan + 2ch syn	2	3.0"	3.1 Lbs (1.4 Kg)	DPL Std.	-45/+70
	<b>TFM-138B</b> VHF/FM		138-174				1	120 ch	Scan + 2ch syn	2	3.0"	3.1 Lbs (1.4 Kg)	DPL Std.	-45/+70
	<b>TFM-138</b> VHF/FM		138-174				1	100 ch	Scan + 2ch syn	2	3.0"	3.1 Lbs (1.4 Kg)	No DPL	-45/+70
	<b>TFM-66</b> VHF/FM (export only)	66-88					1	120 ch	Scan + 2ch syn	2	3.0"	3.1 Lbs (1.4 Kg)		-45/+60
	<b>TFM-30</b> VHF/FM	30-50					1	120 ch	Scan + 2ch syn	2	3.0"	3.1 Lbs (1.4 Kg)		-45/+70

**Notes:** All Radios Operate at 28VDC +/-15% , are DZUS mounting (5.75" wide) and have FCC/IC approvals EXCEPT 66-88Mhz, which are for export only. (!) P25 Frequency modules can be in any combination in the radio. Modular-based radio channels are **now upgraded to 1000 total**, 255 max./zone, **older units will have reduced capability**. Early units also have slightly narrower frequency ranges per module. Radio shown as 3/1, 2/1 etc. can work EITHER as independent radios OR as a single multi-band radio, depending on the system interconnect. (\*) needs an AMS6000 for single radio operation. TDFM7000 is essentially the AMS6000 and TDFM6000 combined into a single unit. The TDFM-6000, 7000 and 7300 can have UP TO the number of radios shown, the TDFM-7300 can have Lo band + 4 modules, 5 in total.



**TDFM-136A**



**TDFM-618**



**TDFM-636**



**TDFM-6148**



**RC-6000**



**TDFM-7000**



**RC-7000**



**TDFM-7300**



**RC-7300**

Technisonic radios have essential harness compatibility, and many types can be upgraded in place with little or no harness changes, except for adding any additional radio interconnects.



**TFM-30**



**TFM-66**



**TFM-138**



**TFM-138B**



**TFM-138D**



**TFM-403**



**TFM-500**



**TFM-530**



**TFM-550**



**TFM-556**



**TFM-566**



**RC-500/550**

RC units are serial data Remote Controls that work with their respective main controls to give another user simultaneous control over most radio functions. AMS units are Audio Mode Selectors that allow use of multiband radios as a single selectable unit or provide cross-band operation



**AMS-6000**



**TDFM6148 with AMS-6000**