



A Long-Range, Over-The-Air Radio Waveform Analyzer

PX-900T Portable Instrument Product Sheet



Radio Id	Alias	Dept Name	RF Carrier Frequency Error (Hz)	Symbol Frequency Error 800	Symbol Frequency Error 1800	Modulation Fidelity	Average Symbol Deviation (Hz)	Status	Date/Time
70000002	70000002		78	1	10	3.13%	1807	PASSED	2/7/2024 11:...
70000003	70000003		89	2	10	3.33%	1803	PASSED	2/7/2024 11:...
70000004	70000004		87	1	11	3.74%	1809	PASSED	2/7/2024 11:...
70000006	70000006		656	2	9	3.37%	1807	FAILED	2/7/2024 11:...
70000007	70000007		594	2	10	3.38%	1813	FAILED	2/7/2024 11:...
70000008	70000008		560	1	11	3.69%	1806	FAILED	2/7/2024 11:...
70000010	70000010		0	0	0	0.00%	0	NOT ENOUGH...	2/7/2024 11:...
70000011	70000011		0	0	0	0.00%	0	NOT ENOUGH...	2/7/2024 11:...
70000013	70000013		0	0	0	0.00%	0	NOT ENOUGH...	2/7/2024 11:...
70000014	70000014		82	1	11	2.77%	1812	PASSED	2/7/2024 11:...
70000015	70000015		73	2	10	3.31%	1813	PASSED	2/7/2024 11:...
70000016	70000016		80	1	10	3.20%	1806	PASSED	2/7/2024 11:...
70000017	70000017		0	0	0	0.00%	0	NOT ENOUGH...	2/7/2024 11:...



The DiagnostX PX-900T Portable Instrument is a mobile radio waveform analyzer for P25 Trunked radio systems. It helps Federal agencies, the U.S. military, and Public Safety identify two-way radios needing service by measuring alignment and operating characteristics over long distances, in real-time, without user intervention.

PX-900T Specifications

- Protocol: P25 Trunked
- Available Frequency Bands: VHF; UHF; 700/800 MHz (uplink frequencies only); and 900 MHz
- Encryption: AES-256
- A stand-alone instrument that operates on standard AC or its own DC power (~6 hours)
- Generates reports identifying radios in need of maintenance and validates the alignment characteristics of the other radios
- Weight: 11 lbs. (approximately)
- Hard Case: MIL-SPEC-certified - MIL-STD-810F (Immersion)
- Power Requirement: 12VDC/6.0A
- Dimensions: 14" W x 10" H x 4" D



The AFC Meter is an optional feature for the PX-900T Portable Instrument.

To learn more about the PX-900T Portable Instrument, contact Joseph Rey at (321) 727-3077 or jrey@locususa.com.

Patent Nos. United States: #8,565,096, #8,600,371, #8,825,042, #8,948,022, #9,282,482, #9,432,866, #9,681,321, #9,743,302, #9,961,578, #10,200,902, #10,244,417, #10,609,585, #10,659,982 Canadian: #2,746,238 • Australian: #2010235881, #2012253594 #2015203442 • Other patents pending. LocusUSA and DiagnostX are registered trademarks of Locus Location Systems, LLC. All rights reserved.