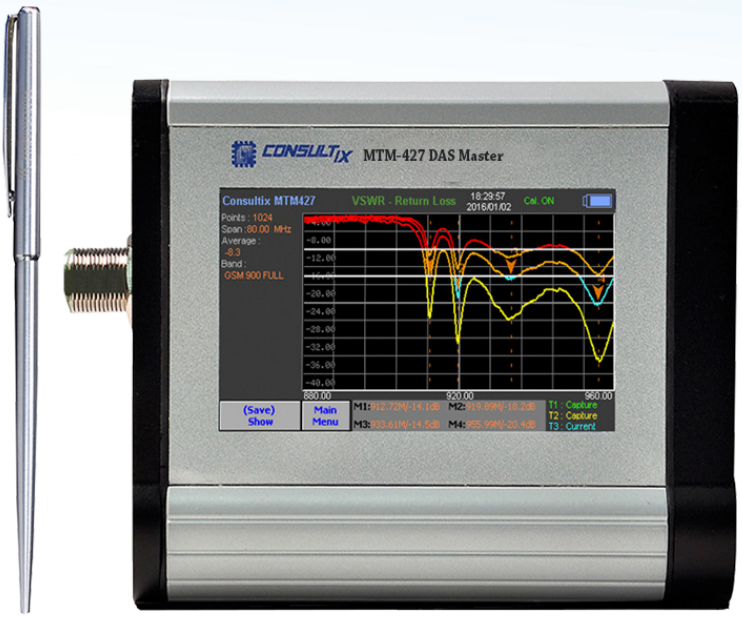
Consultix DAS Master

The RF Gear for Every Phase of your DAS Project



DAS Master is a new class of products that is engineered from the ground up to cover the needs of DAS teams End-to-End. Combining versatility, performance, and usability required for each phase of the DAS project, the compact handheld unit is a field convenient pouch that provides RF surveyors, designers, and installation/commissioning teams with a sweep tester, CW receiver and spectrum analyzer in a single light-weight shock-protected device.

Only the MTM-427 DAS Master can match the requirements of the In-Building Market and technology trends; Performing measurements across different test domains by replacing multiple costly and cumbersome tools while it has the ergonomics and speed required for massive testing as well as the size/weight needed for indoor and above-ceiling installation and measurements.
Its compatibility with Consultix Walk-View Android application, provides engineering teams with a complete walk-test tool for In-building CW measurement.
The superlative performance and ruggedness of the unit puts it also a tool of choice for outdoor site crews

Smart

- CW Test Receiver Option
- Spectrum Analyzer Option
- Channel Power Measurement Option
- 1 Second Calibration & Measurements
- Internal & External Storage
- Professional Reporting Software
- Cable & Band Database
- Friendly Touch-Interface

Fit

- Lightweight: 700g (1.5 Pounds)
- Heavy Duty Construction
- Industrial 4.3” Touch Screen
- RF & Shock Protection
- Industrial RF Ports
- Global Stock Delivery
- Quick Service Programs

Specifications:	
Measurement Modes	VSWR, Return Loss, DTF, Cable Loss and Optional Spectrum Analyzer
Frequency Range	400 MHz to 2700 MHz (optional 100 MHz to 3200 MHz)
VHF / Public Safety Bands	**Option: MTM-427-K-V**
	Frequency Extension Down to 100 MHz and up to 3200 MHz
General RF Characteristics	
Internal Frequency Accuracy	2.5 ppm
Frequency Resolution	1 KHz
Max. Input Power (Protection)	33 dBm (1 Watt Continuous Wave , 2 Watt Peak)
Interference Immunity	10 dBm on Channel, -5 dBm on Frequency
Reflection Measurements	
VSWR Range	1-65
Output Power	0 to -5 dBm
Return Loss Range	0-60 dB
Return Loss Resolution	0.01 dB
Measurement Speed	≤ 1 msec/data point @ 1024 Points ≤ 2 msec/data point @ 512, 256 and 128 Points
Accuracy	42 dB (Calibration Kit Return Loss)
DTF	
Range	0-1500 Meters (According to Cable Type)
Vertical Range (VSWR)	1-65
Vertical Range (Return Loss)	0-60
Vertical Resolution	0.01
Spectrum Analyzer Mode	**Option: MTM-427-K-SA**
Frequency Range	400 MHz to 2700 (100 MHz to 3200 MHz with MTM-427-K-V Option)
RBW	16 KHz, 100 KHz, 250 KHz and 500 KHz
Power Range / Sensitivity	0 dBm to - 112 dBm (DANL @ 2 GHz. 100KHz RBW)
CW Test Receiver Mode	**Option: MTM-427-K-RX**
RF Measurement Range	-112dBm to -40dBm
Sampling Speed	>100 sample/sec
Floor Mapping	Consultix WalkView Android Application
Setup	
Simultaneous Traces	Up to 3
Markers and Limit Lines	4 Markers, Delta Markers, 2 Limit Lines and Peak and Minimum Search
Windowing	Rectangular and Blackman
Cable	Cable Type, Propagation Velocity, Cable Loss and m/ft
Data Points	128, 256, 512 or 1024 Points
Memory	
Type	Internal (1000 trace) and External USB Storage
Save/Recall	Measurements and Screenshots
Battery and Power Supply	Battery: Li-ion 3400 mAh
Battery Operation Time	>8 Hours: Normal Mode (with Continuous Sweep Operation) >4 Hours: High Immunity Mode (with Continuous Sweep Operation)
AC Charger	Input: 100-240 VAC, 50-60 Hz / Output: 12 VDC, 2A
Physical and Environmental	
Display	4.3" TFT, LCD Touch Screen
Ports and Interfaces	N-type Female, 2 x USB, and DC Input
External Dimensions	L163 x W118 x H36 mm
Weight	< 700 gm (1.5 lbs.) incl. Battery
Operating Temp	-10 to +50 C
Standard Package	Tester, AC Charger, Hard Carrying Case, Shoulder Strap, Stylus Pen, USB Mini B Cable, Calibration Certificate, User Manual and Site Auditor Reporting Software for PC
Optional Accessories	Choose from our Variety of High Precision Calibration Kits, Adapters and Launch Cables

Accessories Available

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