

RAILHAWK™ 無線式列車制御システム点検用アナライザ

RAILHAWK KIT 基本構成



RAILHAWK™
ハンディアナライザ



7020-1-010101
パワーセンサ



SK-CAL-MN-C6
キャリブレーションコンボ



FH-AV-CC
ハードケース



4240-401
各種変換アダプタ



4240-550
変換アダプタ 7/16\"/>



25-T-MN
ターミネーション

基本仕様

Frequency Range	1 MHz to 6000 MHz
Frequency Resolution	1 kHz
Output Power	-10 dBm, typical
Trace Noise Magnitude (IFBW 1kHz)	0.05 dB rms
Measurement Speed	1 ms/data point
Measurement Points	51 to 3201
Measure Bandwidth	100 Hz to 30 kHz
Temperature Stability	0.01 dB/°F (0.02 dB/°C)
Return Loss Measurement Range	0 dB to -60 dB
Resolution	0.01 dB
VSWR Measurement Range	1.0 to 65.0
Cable Loss Measurement Range	0 dB to 30 dB
DTF Range	0 to 5000 ft (0 to 1500 m)
Corrected Directivity	> 38 dB
Maximum Input Voltage	50 V
Immunity to Interfering Signals	+13 dBm
Power Measurement	Yes

測定精度

Frequency Accuracy	$\pm 2.5 \times 10^{-6}$ @25 °C
Reflect Amplitude Accuracy	-15 dB to 0 dB: 0.4 dB
	-25 dB to -15 dB: 1.5 dB
	-35 dB to -25 dB: 4.0 dB

コネクタ

Connector	USB Type-C, USB 3.0
Test Port Connector Impedance	N-type, Female 50 ohms

使用環境

Operating Temperature	14 °F to 131 °F (-10 °C to 55 °C)
Storage Temperature	-40 °F to 176 °F (-40 °C to 80 °C)
Battery Charging Temperature	32 °F to 95 °F (0 °C to 35 °C)

システム

Display	5.5 in, 720p
OS	Android
Languages	English, Chinese, Spanish
Battery Type	Lithium-ion rechargeable
Battery Operating Time	10 hours typical
Battery Charge Time	5 hours typical
Storage Capacity	Thousands of trace and setups
Recommended Calibration Interval	2 years
Compatible With	Bird's RF Meter App utilizing RF compatible sensors 501X, 7020, 7022 Series

サイズ・重量

Size	7.7 in x 3.6 in x 2.4 in (195 mm x 90 mm x 60 mm)
Weight	1.98 lb (0.9 kg)

CERTIFICATIONS

CE	EMC: Standard EN 61326-1:2006 Safety: Standard EN 71010-1:2001
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標準付属品

キャリブレーションコンボ	SK-CAL-MN-C6
タッチペン	SK-TP-112
AGアダプタ	SK05T-1200300Z
ハードケース	FH-AV-CC
各種変換アダプタ	4240-401
変換アダプタ 7/16\"/>	
位相安定ケーブル	5A2970-16-120B
USBドライブ	5A2745-1
USB変換アダプタ	SK-CONN-OTG-2

RAILHAWK™ 無線式列車制御システム点検用アナライザ

7020-1-010101 パワーセンサ

基本仕様

Frequency Range	350 MHz to 4.0 GHz
Power Measurement Range	0.15 W to 150 W
Impedance	50 Ohms nominal
Insertion Loss	0.1 dB, Max.
Insertion VSWR	1.10, Max.
Directivity	28 dB, Min.

コネクタ

Interface	Protocol USB 2.0 Connector USB Type 'B' with "SeaLATCH" locking USB connector Data Logging with VPM3 Software
Connector	N(f)

システム

Power Supply	
USB Port	Less than one low-power load
DC Input Connector	7 to 18 VDC at less than 0.1 A

使用環境

Operating Temperature	-30 to +60 °C (-22 to +140 °F)
Storage Temperature	-40 to +80 °C (-40 to +176 °F)

サイズ・重量

Size	4.8 in x 4.6 in x 1.3 in (122 mm x 117 mm x 35.5 mm)
Weight	1.0 lb (.45 kg)

CERTIFICATIONS

Mechanical Shock & Vibration	IAQ MIL-PRF-28800F class 3
CE	EMC: European Standard EN 61326-1:2006 – Electronic Equipment for Measurement, Control and Laboratory Use – EMC Require- ments in accordance with EMC Directive (2004/108/EC)
RoHS	Compliant

SK-CAL-MN-C6 キャリブレーションコンボ

基本仕様

Frequency	DC to 6 GHz
Resistance	50 Ohm
Average Power	≤ 1 W
Load Return Loss	-35 dB
Load VSWR	≤ 1.025
Open Phase Deviation	≤ ± 0.6°
Short Phase Deviation	≤ ± 0.6°

インターフェース

Connectors	N (m)
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使用環境

Operating Temperature	15 °C to 35 °C (49 °F to 95 °F)
Storage Temperature	-40 °C to 75 °C (-40 °F to 167 °F)

FH-AV-CC ハードケース

サイズ・重量・素材

Size	15.27 in x 12.13 in x 6.69 in (38.8 cm x 30.8 cm x 17 cm)
Weight	4.5 lb (2.04 kg) without foam
Body	Polypropylene

CERTIFICATIONS

Compliance	IP67, MIL-STD, 810F, 512.4, Drop Tested Per MIL-STD-3010C Method 5007
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4240-401 各種変換アダプタ

サイズ・重量・素材(ケース)

Size	6.5 in x 4.63 in x 1.69 in (16.5 cm x 11.8 cm x 4.3 cm)
Weight	1 lb (.45 kg)
Body	Polypropylene

変換アダプタ形状

(1) Male, (1) Female, Type N
 (1) Male, (1) Female, Type BNC
 (1) Male, (1) Female, Type TNC
 (1) Male, (1) Female, Type UHF
 (1) Male, (1) Female, Type SMA
 (5) 50 Ohm couplers

4240-550 変換アダプタ 7/16" DIN

サイズ・重量・素材(ケース)

Size	9.5 in x 6.5 in x 2.0 in (24.13 cm x 16.51 cm x 5.0 cm)
Weight	1 lb (.45 kg)
Body	Polypropylene

変換アダプタ形状

(1) PA-MNME, N (M) to 7/16 DIN (M)
 (1) PA-FNFE, N (F) to 7/16 DIN (F)
 (1) PA-FNME, N (F) to 7/16 DIN (M)
 (1) PA-MNFE, N (F) to 7/16 DIN (F)
 (1) PA-FEME-R, 7/16 DIN (F) to 7/16 DIN with right angle (M)
 (1) PA-FEFE, 7/16 DIN (F) to 7/16 DIN (F)

25-T-MN ターミネーション

基本仕様

Power Rating	25 W
Frequency	DC - 4 GHz
VSWR DC - 1 GHz	1.10:1 max
VSWR 1 GHz - 4 GHz	1.15:1 max
Impedance	50 Ohms, Nominal

インターフェース

Connectors	N (m)
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使用環境

Temperature Range	-40 °C to 40 °C (-40 °F to 104 °F)
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サイズ・重量・素材

Product Type	Dry (Convection-Cooled)
Operating Position	Any
Finish	Black Anodized
Size	4.7 in L x 2.3 in Dia (119.4 mm x 58.5 mm)
Weight	7 oz (198 g)