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SPECIFICATIONS

The performance requirements listed here apply over an ambient temperature range of 0° C to +50° C. The rated accuracies are valid when the instrument is calibrated at +20° C to +30° C with ten minutes warm-up time. A twenty minute warm-up is required for rated accuracies at 0° C ambient temperature.

Electrical Specifications			
Subcarrier	1410	1410 Option 1	
Frequency (F_{sc})	3.579545 MHz \pm 10 Hz	3.579545 MHz \pm 1 Hz	
Pull-In Range	$F_{sc} \pm 50$ Hz	$F_{sc} \pm 20$ Hz	
Input Requirements			
SUBCARRIER INPUT			
Amplitude	1.0 V to 4.0 V P-P		
Frequency	3.579545 MHz \pm 10 Hz		
Return Loss	\geq -46 dB to 3.579545 MHz		
Power Supply (0° C to +70° C, no load to full load)			
Supply	Accuracy	Limit	Typical Ripple
+15 V	± 50 mV	1 amp	1 mV
+5 V Analog	± 50 mV	1 amp	1 mV
+5 V Digital	± 50 mV	3 amps	1 mV
-15 V	± 25 mV	1.5 amps	1 mV
Mains Input Requirements			
Mains Voltage Range			
100 Vac	90—112 Vac		
120 Vac	106—132 Vac		
220 Vac	196—244 Vac		
240 Vac	214—250 Vac		
Mains Crest Factor	At least 1.35		
Fuse Data			
100/120 Vac	1.5 A fast-blow		
220/240 Vac	0.75 A fast-blow		
Max Power Consumption	130 W		
Max Amps at 120 Vac, 60 Hz	1.2		
Mains Frequency	47—63 Hz		

Mechanical Specifications

Length	19.2 in.	48.77 cm.
Width	19.0 in.	48.26 cm.
Height	3.47 in.	8.81 cm.
Weight (Rackmount)	21 lbs. 9 oz.	9.78 kg.
Weight (Cabinet model)	23 lbs. 13 oz.	10.8 kg.

Environmental Characteristics

Temperature	
Operating	0°C to 50°C
Storage	-40°C to +65°C
Altitude	
Operating	To 15,000 feet
Storage	To 50,000 feet



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