

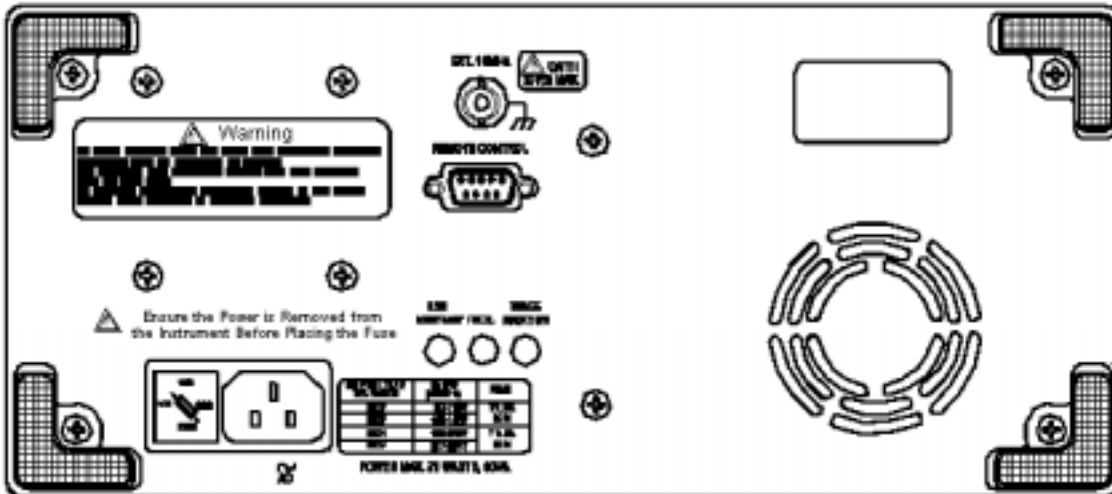
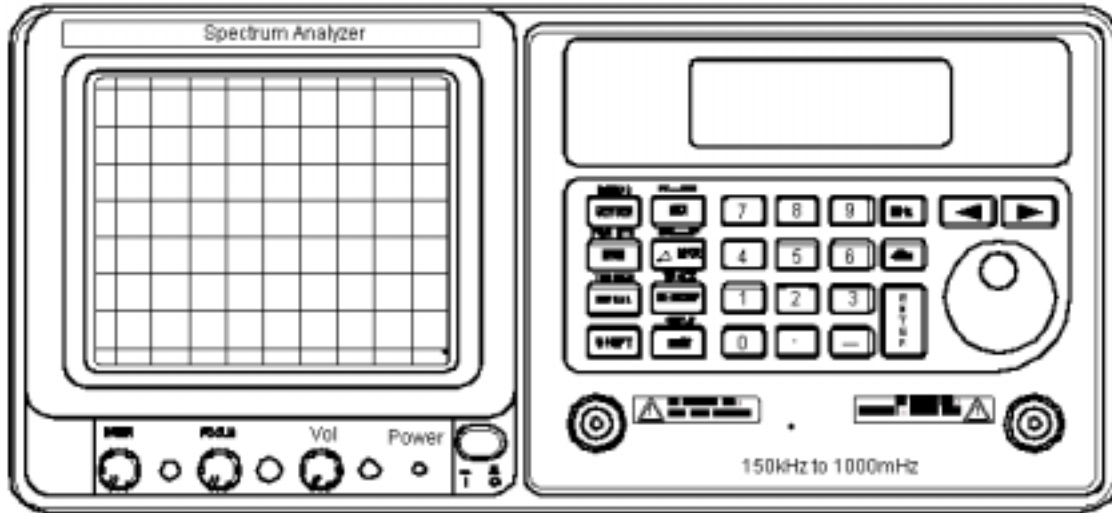


PART NO.

72-6696 EURO

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Kiran	16/04/09	Suresh	16/04/09	Farnell	30/04/09



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DRAWN BY:	DATE:
Kiran	16/04/09
CHECKED BY:	DATE:
Suresh	16/04/09
APPROVED BY:	DATE:
Farnell	30/04/09

DRAWING TITLE:			
Spectrum Analyzer - 1GHz			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A		39257_DWG	A
SCALE: NTS		U.O.M.: mm	SHEET: 1 OF 3



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**Specifications:**

**Frequency**

Range : 150kHz to 1000MHz.  
 Resolution : 1kHz C.F. entry, 40Hz sweep resolution at 2kHz/div.  
 Display : 6 1/2 digits.  
 Control : Digital phase locked.  
 Stability :  $\pm 2$ ppm/year aging,  $\pm$ ppm, 0°C to 50°C.  
 Spans : Zero, 2kHz to 100MHz div. in a 1-2-5 sequence.

**Bandwidth**

Resolution : 3kHz, 30kHz, 220kHz, 4MHz.  
 Accuracy : 15%.  
 Video bandwidth : 1.6kHz/90kHz coupled with RBW.

**Amplitude**

Reference level range : -30dBm to +20dBm.  
 Reference level accuracy :  $\pm 1$ dB @ 80MHz.  
 Input level range : -100dBm to +20dBm.  
 Noise floor : -95dBm at 30kHz RBW, -100dBm typical.  
                       -75dBm: 150k to 10MHz.

Display range : 75dBm.  
 Accuracy :  $\pm 1.5$ dB typical at 0dBm, 80MHz.  
 Level linearity :  $\pm 1.5$ dB over 70dB.  
 Reference level frequency flatness :  $\pm 1.5$ dB over 100MHz  
    $\pm 2.5$ dB typical over entire band  
    $\pm 3$ dB: 150kHz to 10MHz.

Harmonic spur response :  $< -40$  dBc, RF input,  $<$ selected reference.  
 Non-harmonic spur response :  $< -60$ dBc typical down from reference level, average, 5MHz/div.  
 Intermodulation (3rd) :  $< -70$ dBc, at -40dBm input, 2 tones, 2MHz apart  
    $< -45$ dBc: 150kHz to 10MHz.

Phase noise : -77dBc/Hz at 1GHz, 30KHz offset.  
 Dimensions : (W) 310mm x (H) 150mm x (D) 455mm.  
 Weight : 8.5kg.

**Input**  
 Overload protection : +30dBm continuous,  $\pm 25$ V dc.  
 Impedance : 50 ohms nominal.  
 Return loss :  $< 16$ dBRL (VSWR  $< 1.35$ ).  
 Input attenuation : 50dB to 0dB in 10dB steps coupled to reference level.  
 Connector : Type "N" female (cable not included).

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	Suresh	16/04/09	A		39257_DWG	A	
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm		SHEET: 2 OF 3
Farnell	30/04/09						



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**Specifications:**

**Marker**

- Number of markers : 2.
- Marker resolution : 0.1dB, 1kHz.
- Marker mode : Absolute, relative, PK->marker, marker->centre.
- Marker accuracy : 0.1dB ±amplitude accuracy.

**Functions**

- Memory : 9 memories of save or recall.
- Trace : Maximum hold, average (2 to 32 traces), freeze (hold).
- Set-up : Access parameters.

**General**

- Power source : 100/120/220/230 AC, 10%, 50/60Hz, approximately 75W, 90VA.
- Operation manual included.

**Part Number Table**

Description	Part Number
Analyser, Spectrum, 1GHz	72-6696 EURO

<http://www.farnell.com>  
<http://www.newark.com>  
<http://www.cpc.co.uk>

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