



C A T V

8 - CARRIER

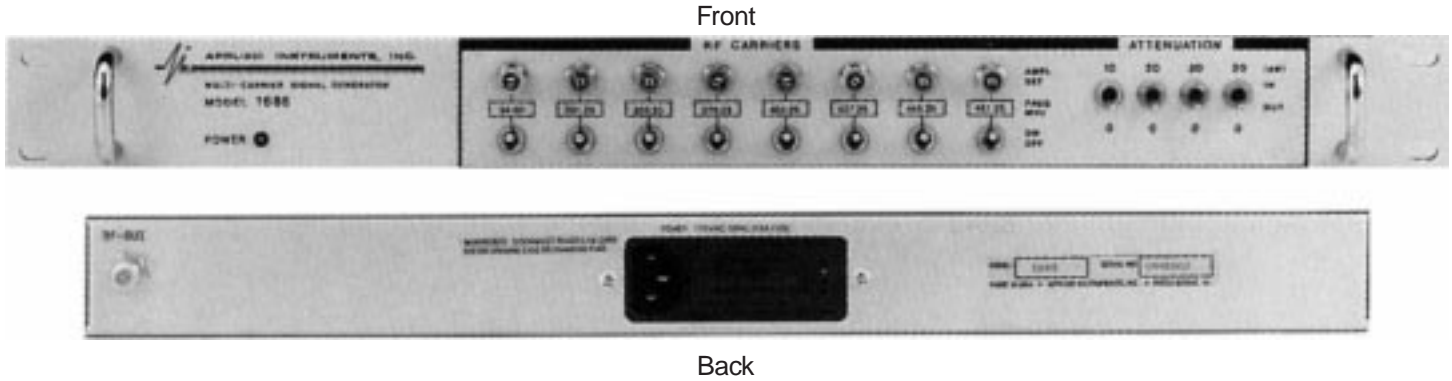
GENERATOR

MODEL 1685

CATV 8-Carrier Generator Model 1685

System Alignment Generator

Spectrum Analyzers are useful for system frequency-response testing. The cable system's video carriers act as stimuli and the spectrum analyzer measures the response at any point in the cascade of amplifiers. The beauty of this technique is that there is no subscriber interference. The shortcoming is that if your system is not carrying channels throughout the passband, the spectrum analyzer has nothing to measure. By providing eight CW carriers enhances this measurement technique.



1685 SPECIFICATIONS

Max output level (all carriers).....	+50 dBmV
Attenuator	0 to 70 dB in 10 dB steps
Individual amplitude adjustment.....	0 to -13 dB
Amplitude stability	±0.5 dB/setting
Spectral purity (spurious & harmonic).....	≥60 dBc
Residual hum	≤0.01%
Frequency accuracy.....	≥0.01% kHz (10MHz to 1000 MHz) ±1.0 kHz (5MHz to 10 MHz)
Output impedance	75Ω
Size (W x H x D)	1.75" x 19" (std. rack) x 12.5" (4.5cm) x (48.3cm) x (31.8cm)
Power	120/240 VAC, 50/60 Hz

Various versions of the 1685 differentiate the range in which the customer-selected frequencies are located.

<u>Model / Version</u>	<u>Frequency-Range in which customer selects four RF video carriers output</u>
1685	5 - 600 MHz
1685XF	5 - 1000 MHz

Specifications subject to change without notice.

STANDARD ACCESSORIES

- Operators manual
- Power line cord

1685

The Model 1685 is a headend/hubsite RF eight-carrier generator. Each CW carrier can be activated individually or simultaneously. The RF carriers generated are extremely clean and stable, thus making the 1685 an ideal instrument for testing/aligning the CATV forward band.

Features:

- Eight individually or simultaneously activated RF carriers
- Spectral purity in excess of 60 dB allows accurate hum and noise evaluation without interference
- + 50 dBmV full output

CATV Applications:

- System alignment
- Carrier-to-noise measurement
- Carrier-to-hum modulation

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