

SMALL SIGNAL PICK-OFF ATTENUATOR

THIS UNIT IS PRE-SET FOR MINIMUM ATTENUATION AT THE FACTORY. BEFORE USING IT IS RECOMMENDED THAT THE BARREL BE ADJUSTED TO A GREATER ATTENUATION VALUE IN ORDER TO PREVENT POSSIBLE OVERLOAD TO TESTING DEVICE.

International's inline barrel attenuators are for use with frequency meters to supply a small amount of rf voltage for measurement purposes. Adjustment is made by screwing the threaded output section in and out of the barrel. Two models are available, 150-285 for general purpose and low frequency work; and 150-286 for high frequency measurements. The 150-286 attenuator should be used in the 450 mhz and 950 mhz ranges where minimum insertion loss is desired.

INSERTION LOSS

<u>Frequency</u>	<u>Model 150-285</u>	<u>Model 150-286</u>
30 mhz	less than .2 db	less than .2 db
170 mhz	" " .2 db	" " .2 db
460 mhz	" " 4.00db	" " .75db
950 mhz	" " 6.00db	" " 2.00db

MINIMUM ATTENUATION

30 mhz	28 db	46 db
170 mhz	14 db	28 db
460 mhz	8 db	22 db
950 mhz	6 db	14 db

Maximum attenuation for both models is greater than 60 db except the 150-285 has a maximum attenuation of 50 db at 950 mhz. The attenuation required to deliver 250,000 microvolts to the frequency meter with several line powers is listed below.

<u>Power Watts</u>	<u>Attenuation DB</u>
1	29
10	39
50	46
250	53