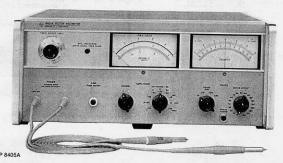
NETWORK ANALYZERS 553

Vector Voltmeter



- Accurate voltage and phase measurement 1 to 1000 MHz $50/75\,\Omega$ coaxial measurements



The HP 8405A Vector Voltmeter measures voltage vectors described by both magnitude and phase. This capability makes the HP 8405A a unique instrument for about any design and test application in the frequency range 1 to 1000 MHz.

In addition to aboute voltage measurements, capabilities include magnitude and proposed group delay of bandpass filters and other transmission devicements and magnitude modulation of the transmission devicements of the state of th

Specifications
Frequency range: 1 MHz to 1 GHz in 21 overlapping octave bands, tuning automatic within each band.

Isolation between channels: 1 to 300 MHz, >100 dB; 300 to 1,000 MHz > 80 dB.

Maximum input: ac, 2 V peak; dc, ± 50 V. Input impedance (nominal): 0.1 M Ω shunted by 2.5 pF; 1 M Ω shunted by 2 pF when HP 11576A 10:1 Divider is used; 0.1 M Ω shunted by 5 pF when HP 10216A Isolator is used. AC coupled.

oltage Range (rms)			
Channel	1 - 10 MHz	10 - 500 MHz	500 - 1000 MHz
A	1.5 mV - 1.0 V	¥V – 1.0 V	500 aV - 1.0 V
8	<100 µV - 1.0 V	<100 pV - 1.0 V	<100 µV - 1.0 V

B 400 W + 10V cl00 W + 10V cl00 W - 10V v Othereter ranges: 100 a W to 1 V rms full scale in 10 dB steps. Voltage ratio accuracy: 1-200 MHz, 0.2 dB for −00 to dB ranges and 0.3 dB for −10 dB and +10 dB ranges; 200−1000 MHz, 0.2 dB for dB for +10 dB ranges, of sl 60V rms of the ranges of sl 60V rms of the range of sl 60V rms of

HP 11570A Accessory Kit 50 Ω Tee: HP 11536A: for monitoring signals on 50 Ω transmission lines without terminating line. Kit contains two with type N RF fittings

tings. 50 Ω Power splitter: HP 11549A: all connectors Type N female. 50 Ω Formination: HP 908A: for terminating 50 Ω coaxial systems in their characteristic impedance. Shorting plug: HP 11512A: Shorting Plug, Type N male.

Ordering Information HP 8405A Vector Voltmeter Opt 002: linear dB scale HP 11570A Accessory Kit (measurement in 50 Ω systems only)

