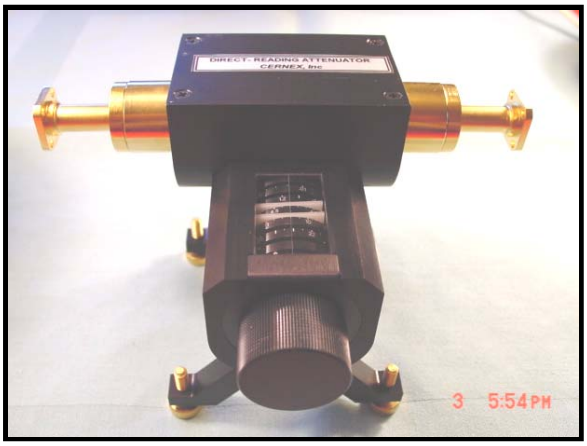
CERNEX, Inc.

Direct Reading Frequency Meters

FEATURES:

- Full Band
- Direct Reading
- High Resolution
- Anti-Backlash Drive



APPLICATIONS:

- Test Setup

DESCRIPTION:

CDM Series

Cernex's CDM series direct reading frequency meters are available in standard waveguide sizes from 18.0 to 110.0 GHz and are designed to provide easy direct readout of frequency with a high degree of resolution and accuracy.

SPECIFICATIONS:

Waveguide Band	K	Ka	Q	U	V	E	W
Waveguide Size	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Frequency Range (GHz)	18 to 26.5	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110
Absolute Accuracy (%)	0.11	0.12	0.12	0.20	0.20	0.20	0.20
Resonance Dip (dB)	0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	1.0-3.0	0.5-1.0	1.5-3.5
VSWR[1] Max.	1.10	1.15	1.15	1.15	1.20	1.20	1.20
Insertion Loss (dB) Nom.	0.25	0.30	0.40	0.50	0.60	0.70	1.00
Scale Divisions (MHz) Min.	10	10	10	20	20	20	20
Scale Length (in)	74.0	76.0	78.0	78.5	77.0	75.0	58.0

Notes: 1. Off Resonance

HOW TO ORDER:

Specify Model Number

CDM –WG LF HF IL -- XX ← To be specified by the factory

Waveguide Size

Insertion Loss

Low End Frequency

High End Frequency

Example: To order WR-15 direct reading frequency meter with an insertion loss of 0.5db, specify CDM15507505-XX

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE