

# Pentrix plug-in modules convert Tektronix scopes to spectrum analyzers at lowest cost!

Simply slide Pentrix Series L Analyzer into your Tektronix scope. Instantly this time-based instrument is converted to a frequency-based spectrum analyzer. The familiar, easy-to-use Tektronix dials still control the scope... with equally simple Pentrix dials controlling the analyzer functions. No need to purchase, store and maintain a scope and a separate analyzer. The Pentrix plug-ins, with identical dimensions to Tektronix Letter Series Plug-Ins, offer:

- High Stability
- High Sensitivity
- Lowest Incidental FM
- Large Dynamic Range and Dispersion
- Wide Range Of Calibrated Sweeps
- Picket Fence Markers At 100 Kc And 1 Mc Separation

all at a fraction of the cost of other analyzers. Compare Pentrix modules for performance... for features... for low cost. Convince yourself of Spectro-pulse superiority.

## spectro-pulse analyzers

SPECIFICATIONS	LOW FREQUENCY SPECTRUM ANALYZERS	SPECTRUM ADAPTERS	NARROW BAND SPECTRUM ANALYZERS	MULTI-BAND SPECTRUM ANALYZERS
Model Number	L-10	L-140, L-160	see next page	L-20, L-30
Frequency Range (Mc)	1-32	120 to 180	400-12,200	10-10,400
Units	Single	L-140 Ctr Freq 140 Mc L-160 Ctr Freq 160 Mc	Each unit covers 10% or greater band	L-20 10 to 4,000 Mc L-30 1000 to 10,400 Mc
Dial Accuracy (% of L.O. Freq)	0.5	Not Applicable	0.1	1.0
Frequency Stability	I-F 2 ppm/°F 1 ppm/line L.O. 200 ppm/°F 100 ppm/line*	Not Applicable	Not Applicable	Not Applicable
Sensitivity (dbm)	-110	-130	-115 to -100	-115 to -60
Dispersion Narrow Wide	100 cps to 50 Kc	2.5 Kc to 5 Mc 100 Kc to 40 Mc	2.5 Kc to 5 Mc 100 Kc to 60 Mc	
Display Flatness (db)	±1	±0.75	±3	
Maximum Input Power (dbm)	-30			
Resolution Bandwidth Narrow Wide	10 cps to 1 Kc 3 Kc to 200 Kc	1 Kc to 100 Kc continuously variable		
Incidental FM (cps)	Not Applicable	500	800 to 1800	800 (at L.O. Fundamental a)
Sweep Rate (cps calibrated)	.02 to 1000			
IF Attenuator (1 db steps)	51 db ±0.1 db/db			
IF Gain Control (db)	50			
Markers continuously variable picket fence	Not Applicable	±20 Mc 100 Kc and 1 Mc	±30 Mc 100 Kc and 1 Mc	
Display Log Linear Square Law Video	60 db 26 db Not Applicable 0.1 v/cm 10 cps to 10 Mc	40 db 26 db 13 db 0.1 v/cm 10 cps to 10 Mc		
Optional Features	External Stabilized Local Oscillator		Phase Lock	
Physical Dimensions	Identical to Tektronix Letter Series Plug-In Units			

Cables: TRONIX

Telephone: 75376

\* Data Subject To Change Without Notice

## ELECTRONIC ENTERPRISES

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