

# ADEP 1300



## ADEP 1300 FEATURES:

- 1-18GHz tunable
- Generate up to 16 targets
- Supports multiple target cluster with 4 targets each
- Can have multiple output channels for added simulation or phased array
- 1.3GHz instantaneous bandwidth
- 10 bits resolution
- 60dB dynamic range
- Up to 10ms of delay per TSP
- Remote Ethernet operation
- Extensive target generation features under development

FEATURES	SPECIFICATIONS
Frequency	1-18GHz tunable
Targets	4 Targets per board
Instantaneous Bandwidth	1.3GHz
Bit Depth	10 in, 12 out
Dynamic Range	60dB
Pulse Width	15ns to CW
PRF Range	1Hz to 5MHz
Frequency Measurement (DFD)	Internal
Target Delay	650ns to 10ms per cluster (40us target variation within cluster)
Delay Resolution	0.6ns
Doppler Range	+/-650MHz
Phase Resolution (internal)	0.006
Amplitude Resolution (internal)	0.0003dB
Target Update Rate	>50KHz
Spurious Signal Level	40dBc typical
Gain Flatness	<+/- 1dB
Operating Temperature	-10 to 65°C
Control Interface	VME
Dimensions (VME chassis)	12U form factor