



VNA Frequency Extension Controller: **FEC-02**

The FEC-02 Frequency Extension Controller 2-port is part of the Farran's Test & Measurement frequency extension solution.

The unit ensures that FEV mm-wave extender products are fully compatible with Agilent PNA/PNA-X Vector Network Analyzers and that the PNA-X/FEV test setup offers the best S-parameters accuracy available on the market.

Key Facts:

- Compatibility with Keysight PNA and PNA-X.
- 2-port - supports up to 2 frequency extenders.
- Fast switching speed.
- DC power source for frequency extenders.

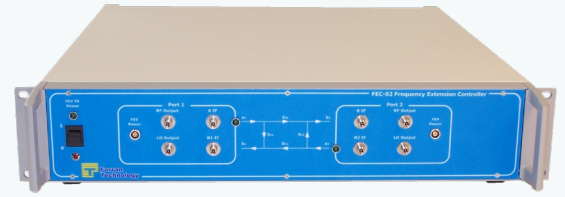
Product Specification

System Specification	Unit	Min	Typ	Max
RF/LO Input Frequency (nom.)	GHz	7	-	20
IF Frequency (nom.)	MHz	5	-	50
Switching Speed (nom.)	-		< 1 μ s	
Number of Ports (nom.)	-		2	
Front RF/LO/IF Ports (nom.)	-		3.5 mm (F)	
Rear IF Ports (nom.)	-		BNC Socket	
Control Port (nom.)	-		25-way D-type Socket	
DC Connectors (nom.)	-		4-pin LEMO Sockets	
DC Power Supply	V/A		+7V @ 2.5A per Socket	
AC Power Requirements	V/A		110 - 230V @ 0.65/0.35A	
Weight (approx.)	kg	-	7.5	-
Dimensions (approx.)	mm		450 x 510 x 90	

Nominal value (nom.) – ensured by design, not tested.

Over the years, Farran's FEV extenders have delivered unparalleled dynamic range and long-term stability of the measurements without the need for frequent calibrations. They can be easily configured with wide range of our VNAs and are seamlessly controlled via VNA's user interface. Great customer support and direct access to Farran's engineers, coupled with the extenders' reliability, make my job simple and stress-free.

Principal Test Engineer, European Automotive Radar Company



ADDITIONAL FEATURES

- Compatible with PNA and PNA-X
- Seamless setup and control via VNA firmware
- 19" rack mount compatibility
- 2-port



APPLICATIONS

- Millimeter wave S-parameters measurements
- Frequency extension
- Antenna pattern verification
- Millimeter wave instrumentation



ACCESSORIES

- User Manuals