

S1220 ASK-FSK Demodulation Analysis Data Sheet

S1220 ASK-FSK Demodulation Analysis
DSA Series Spectrum Analyzer
DSG Series RF Signal Source
Ultra IQ Station PC Software


Ultra IQ Station



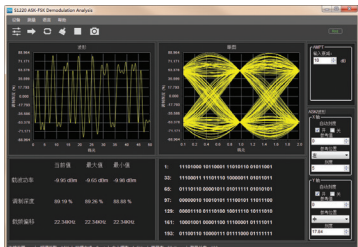
DSG RF Signal Source
(with IQ option)



DSA Spectrum Analyzer



S1220 ASK-FSK Demodulation Analysis



Product Overview

S1220 ASK-FSK Demodulation Analysis is used to work with **RIGOL** DSA875/TG, DSA832/TG, and DSA832E/TG spectrum analyzer to realize demodulation and analysis for the modulated ASK and FSK signals.

Product Features

- Highlight the reference symbols
- Support Manchester Encoding
- Display the waveform, eye diagram, symbol, and demodulation results in one interface
- Set the reference position of the waveform and eye diagram as required
- Provide single/continuous sweep modes, enabling you to observe the demodulation results at any time point
- Load the saved configuration data and improve efficiency
- Provide demos for you to enjoy great user experience with the software, without connecting the instrument or obtaining a license

► Specifications

ASK/FSK Demodulation Analysis	
Frequency range	5 MHz to 3.2 GHz/7.5 GHz
Carrier power accuracy	±2 dB, nominal value
Carrier power range	-30 dBm to +20 dBm, nominal value
Carrier power display resolution	0.01 dBm
ASK Measurement	
Symbol rate range	1 kHz to 100 kHz
Demodulation depth	5% to 95%
Accuracy	±4% of the reading value, nominal value
Display resolution	0.1%
FSK Measurement	
FSK deviation	1 kHz to 400 kHz
Symbol rate range	1 kHz to 12 kHz $1 \leq \beta \leq 32$, β is the ratio of frequency deviation to symbol rate (deviation/rate) 12 kHz to 25 kHz $1 \leq \beta \leq 16$ 25 kHz to 50 kHz $1 \leq \beta \leq 8$ 50 kHz to 100 kHz $1 \leq \beta \leq 4$
Accuracy	±4% of the reading value, nominal value
Display resolution	0.01 Hz

► Ordering Information

	Description	Order Number
	S1220 ASK-FSK demodulation analysis	S1220 ASK-FSK Demodulation Analysis
Model	spectrum analyzer, 9 kHz to 3.2 GHz	DSA832
	spectrum analyzer, 9 kHz to 7.5 GHz	DSA875
	spectrum analyzer, 9 kHz to 3.2 GHz	DSA832E
	spectrum analyzer, 9 kHz to 3.2 GHz (with tracking generator, factory installed)	DSA832-TG
	spectrum analyzer, 9 kHz to 7.5 GHz (with tracking generator, factory installed)	DSA875-TG
	spectrum analyzer, 9 kHz to 3.2 GHz (with tracking generator, factory installed)	DSA832E-TG
Option	ASK/FSK demodulation analysis	DMA-DSA800

RIGOL

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