

PRODUCT SELECTION GUIDE

DDS Function Generator

MODEL FUNCTION	MFG-1000CH Series	MFG-1000 Series	MFG-2000 Series	MFG-3000 Series	MFG-3000A Series	MFG-3000CH Series	MFG-6000CH Series
TFT display	—	—	—	√	√	√	√
LCD display	√	√	√	—	—	—	—
Arbitrary waveform	—	—	—	—	channel B	—	√
CHA waveform types	32 types	32 types	3 types	3 types	3 types	32 types	40 types
CHB waveform types	—	32 types	32 types	32 types	40 types	32 types	40 types
CHA sample rate	100 MSa/s	100 MSa/s	180 MSa/s	180 MSa/s	180 MSa/s	100 MSa/s	100 MSa/s
CHB sample rate	—	12.5 MSa/s	12.5 MSa/s	12.5 MSa/s	100 MSa/s	12.5 MSa/s	12.5 MSa/s
CHA min.frequency	1μHz	1μHz	40μHz	40μHz	40μHz	1μHz	1μHz
CHA max.frequency	20MHz	20MHz	60MHz	60MHz	40MHz	20MHz	20MHz
CHB max.frequency	—	1MHz	1MHz	1MHz	1MHz	1MHz	1MHz
CHA Alone	√	√	√	√	√	√	√
CHB Alone	—	√	√	√	√	√	√
CHA FM	√	√	√	√	√	√	√
CHA AM	—	—	√	√	√	—	—
CHA FSK	√	√	√	√	√	√	√
CHA PSK	√	√	√	√	√	√	√
CHA ASK	√	√	√	√	—	√	√
CHA frequency sweep	√	√	√	√	√	√	√
CHA amplitude sweep	√	√	√	√	√	√	√
CHA burst	√	√	—	—	—	√	√
CHB burst	—	√	√	√	√	√	√
CHA & CHB add	—	—	√	√	√	—	—
TTL output	1 channel	2 channel	1 channel	1 channel	—	2 channel	2 channel
RS232 interface	optional	optional	optional	optional	√	optional	√
USB interface	—	—	optional	optional	√	—	—
200MHz frequency counter	optional	optional	optional	optional	√	optional	optional
Power amplifier	optional	optional	optional	optional	—	optional	optional