



The medical and Autoelectro-Relevant waveforms





FFG:

ECG3:

ECG9:

ECGI5:

Electroencephalogram

Electrocardiogram 3

Electrocardiogram 9

Electrocardiogram 15



Pleth:

ECG5:

ECGII:

Electrocardiogram 5

Electrocardiogram ||

Pulsilogram

The Medical waveform and Autoelectro-Relevant Waveforms has been added to the built-in arbitrary waveform of the MFG-2000 series. After updating to firmware 2.04 or later, 36 types of medical and Autoelectro-Relevant waveforms can be added to the built-in data of arbitrary waveforms.

EMG:

ECG4:

ECGI0:

Electromyogram

Electrocardiogram 4

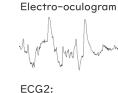
Electrocardiogram 10

ARB Built-In Medical Waveforms

EOG:

ECG8:





Electrocardiogram 2

Electrocardiogram 8

ECGI: Electrocardiogram I



FCG7 Electrocardiogram 7



ECG13: Electrocardiogram 13



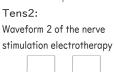
Electrocardiogram 14

ECG14:

LFpulse: Waveform of the low frequency pulse electrotherapy



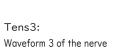
Waveform I of the nerve stimulation electrotherapy



ISO | 6750-2 VR:

profile for resetting

Automotive supply voltage



stimulation electrotherapy



Ignition: Ignition waveform of the automotive motor



ISO7637-2 TP3A: Automotive transients arising from inductance in switching



ISO7637-2 TP3B: Automotive transients

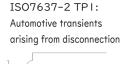
ISO16750-2 SP:

Automotive starting

profile with ringing



ISO7637-2 TP4: Automotive working profile during start-up





IS07637-2 TP5A: Automotive transients arising from cut-off of battery power



ISO7637-2 TP2A: Automotive transients arising from inductance in wiring



ISO7637-2 TP5B: Automotive transients arising from cut-off of battery power

ISO7637-2 TP2B: Automotive transients arising from the ignition switching off



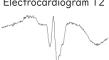
ECG6: Electrocardiogram 6

Resp:

respiration

Speed curve of the

ECG12: Electrocardiogram 12



MFG-2000 Series

MFG-2000 series specific functions

MFG-21XXSeries:

I Channel



MFG-22XXSeries:

2 Channel

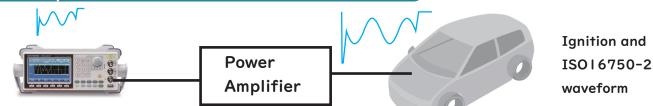


	CH I Function With ARB	CH2 Function With ARB	25MHz Pulse Generator	RF Generator (Function With ARB)	Power Amplifier	Modulation /Sweep/Burst/ Frequency Counter
MFG-2110	• IOMHz					
MFG-2120	• 20MHz		•			
MFG-2120MA	• 20MHz		٠			•
MFG-2130M	• 30MHz		٠			•
MFG-2160MF	• 60MHz		٠	● I 60MHz		•
MFG-2160MR	• 60MHz		٠	• 320MHz		•
MFG-2230M	• 30MHz	• 30MHz				•
MFG-2260M	• 60MHz	• 60MHz				•
MFG-2260MFA	• 60MHz	• 60MHz		● I60MHz		•
MFG-2260MRA	• 60MHz	• 60MHz	•	• 320MHz		

Arbitrary Functions

ARB function	Built-in 102 waveforms		
Maximum Sample Rate	200 MSa/s		
Maximum Repetition Rate	IOOMHz		
Waveform Length	l 6k points		
Amplitude Resolution	14 bits		
Non-Volatile Memory	l6k points(l), l0 sets,		
User-defined output section	From 2 point to 16384 point		
User-defined output marker section	From 2 point to 16384 point		
Output mode	I to 1048575 cycles or infinite mode		

Example: Autoelectro-Relevant Waveforms



The NEW built-in Arbitrary waveforms:

Medical:

Cardiac, EOG, EEG, EMG, Pleht, Resp, ECGI, ECG2, ECG3, ECG4, ECG5, ECG6, ECG7, ECG8, ECG9, ECG10, ECG11, ECG12, ECG13, ECG14, ECG15, LFpulse, TENS1, TENS2, TENS3,

Autoelectro-Relevant Function:

IGNITION, ISO16750-2 SP, ISO16750-2 VR, ISO7637-2 TP1, ISO7637-2 TP2A, ISO7637-2 TP2B, IS07637-2 TP3A, IS07637-2 TP3B, IS07637-2 TP4, IS07637-2 TP5A, IS07637-2 TP5B