

Key Features

- User programmable pulse width
- .0001 to 214,747 seconds (approximately 2.4 days), with 100 μ s resolution
- Edge triggered at top of second and synchronized to PPS
- One-shot, pulse train, or frequency generator modes with number of cycles up to 4 million
- Active high or active low pulse
- May be added to MCR1000, MCR5000 or MCRPCie

Masterclock's MCR-PPO (Programmable Pulse Output) is an add-in module option for Master Clock Reference devices which provides a precision time referenced pulse output synchronized to the PPS of your MCR System.

The PPO option provides a pulse reference based on the high precision PPS of your Master Clock Reference.

Pulse widths from 100 μ s to over 2 days, with resolution of 50 μ s, are achievable. You may set your pulse to be active high or active low, triggered from the top of second. Pulses may be one shot, or you may use to produce pulse trains or as a frequency generator.

Each MCR may be ordered with an MCR-PPO module option.



MCR-PPO Module

Specifications	Programmable Pulse Output Option
Modes	Frequency generator, one-shot pulse generator, pulse train (programmable cycles)
Frequency Range	4.657 e-6 Hz to 200 kHz
Pulse Width Range	.0001 seconds to 214,747 seconds
Resolution	100 μ s
Programmable cycles	1 to 4,000,000 (0 cycles = continuous free running)
Accuracy	\pm 50 μ s of PPS edge
Pulse Type	Active High or Active Low (5V at 20mA)
Trigger	MCR System PPS