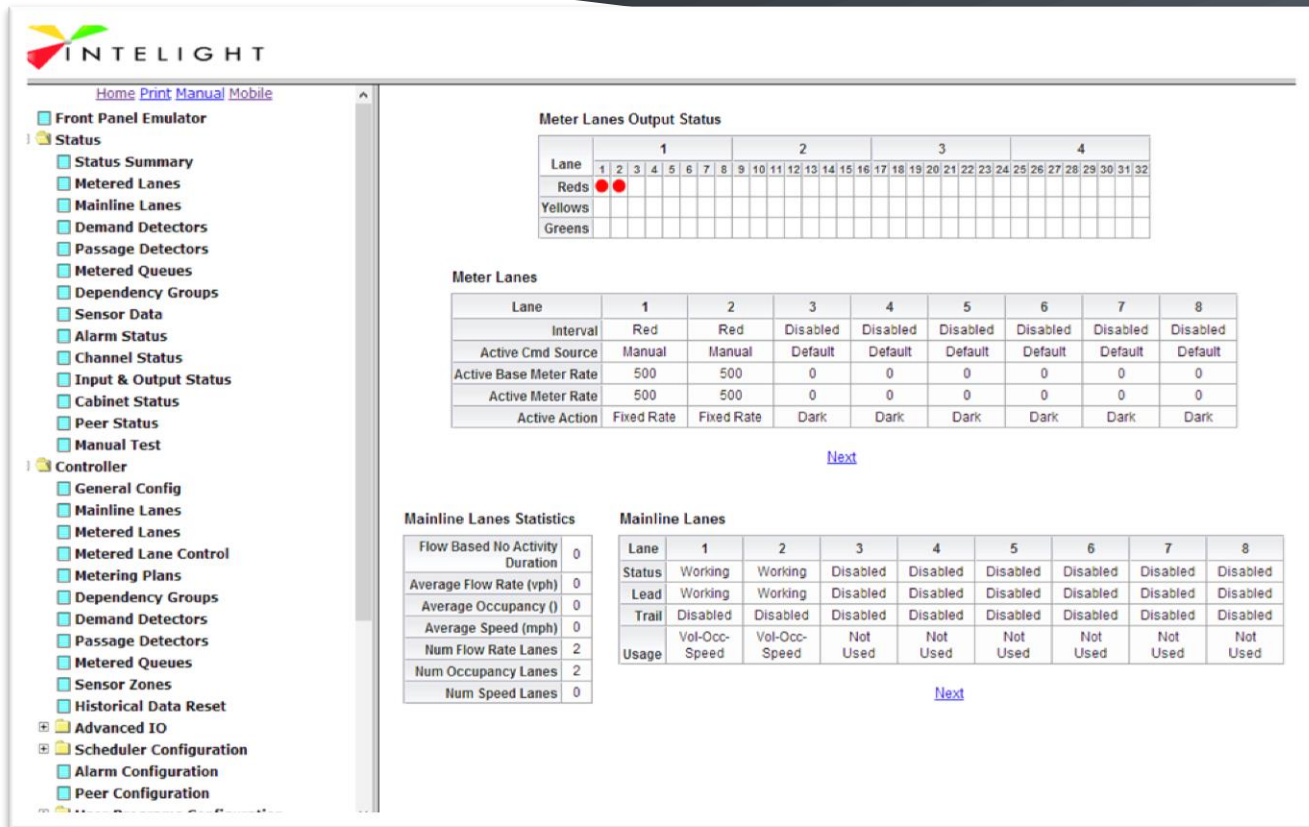


Ramp Metering Software

NEMA, 2070, ATC, 170 Smart Card



The screenshot shows the MaxTime Ramp Meter Status Display interface. On the left is a navigation menu with categories like 'Status', 'Controller', and 'Advanced IO'. The main area displays several data tables:

Meter Lanes Output Status

Lane	1	2	3	4
Reds	●	●		
Yellows				
Greens				

Meter Lanes

Lane	1	2	3	4	5	6	7	8
Interval	Red	Red	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Active Cmd Source	Manual	Manual	Default	Default	Default	Default	Default	Default
Active Base Meter Rate	500	500	0	0	0	0	0	0
Active Meter Rate	500	500	0	0	0	0	0	0
Active Action	Fixed Rate	Fixed Rate	Dark	Dark	Dark	Dark	Dark	Dark

Mainline Lanes Statistics

Flow Based No Activity Duration	0
Average Flow Rate (vph)	0
Average Occupancy (%)	0
Average Speed (mph)	0
Num Flow Rate Lanes	2
Num Occupancy Lanes	2
Num Speed Lanes	0

Mainline Lanes

Lane	1	2	3	4	5	6	7	8
Status	Working	Working	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Lead	Working	Working	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Trail	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Usage	Vol-Occ-Speed	Vol-Occ-Speed	Not Used	Not Used	Not Used	Not Used	Not Used	Not Used

MaxTime Ramp Meter Status Display as viewed from Front Panel, Tablet or Smart-Phone with no App required.

OVERVIEW

Using the Linux platform, Intelight’s award winning MaxTime Ramp Meter controller software was built directly from the current NTCIP standards (including NTCIP v12.07v2.06b and ATC v5.2) as opposed to being adapted from older software. In addition to establishing the most complete NTCIP compliant Linux based platform in the industry, MaxTime Ramp Meter has been intuitively designed with a logical menu structure to simplify even complex user functions. The MaxTime Ramp Meter platform builds on Intelight’s award winning MaxTime platform but is built specifically to enable advanced Ramp Meter operation.

Contact Intelight today to see if MaxTime Ramp Meter can help update your ramp metering signal operations system to 21st century technology.

HIGHLIGHTS

- Monitor and configure timings wirelessly from a laptop, tablet, or smart-phone without database editor or 3rd party software
- Runs on Linux O/S and the ATC platform
- On board Web Server for easy access and configuration.
- Supports up to 16 main lanes, 16 metered lanes, and 64 detectors
- Support for Local Traffic Responsive by TOD
- Natively supports Wavetronix (Speed, Volume, Occupancy, 85% speed)
- Supports Serial and/or Ethernet Communications
- Support for NTP and GPS time synchronization
- Fully supported local intersection integration (ICM)
- Support for Peer to Peer communications with Advanced Logic Builder
- Full NTCIP MIB Supplied with Software License
- Preconfigured or User Defined Cabinet Support (332, 336, TS-1, TS-2, ITS)

UNIQUE FUNCTIONALITY

- Peer to Peer communications between locations
- Intuitive and advanced user logic programming
- Onboard web server allows a user to edit database through web browser, with no proprietary database editor
- Database is edited in real-time, no upload and download necessary
- Monitor and modify timings from Windows and Apple computers, iPad, Android Tablets, Smart Phone without special software
- Store and switch between hundreds of timing databases on controller
- Easy, automated software updates via Network or USB flash drive (no need for terminal servers or proprietary installer programs)

FULLY SUPPORTED NTCIP 1207

- Meets the existing NTCIP 1207 v02.06b specification
- All data is exposed to allow for any third-party application to access or display ramp meter information

Support for 16 separate metering plans

Metering Plans				
Level	Metering Rate	Flow Rate Threshold	Occupancy Threshold	Speed Threshold
1	1000	100	0.0	0
2	1100	150	0.0	0
3	1200	200	0.0	0
4	1300	250	0.0	0
5	1400	300	0.0	0
6	1500	350	0.0	0
7	0	0	0.0	0
8	0	0	0.0	0
9	0	0	0.0	0
10	0	0	0.0	0
11	0	0	0.0	0
12	0	0	0.0	0
13	0	0	0.0	0
14	0	0	0.0	0
15	0	0	0.0	0
16	0	0	0.0	0

FEATURES & USABILITY

- Supports up to 16 main lanes, 16 metered lanes, and 64 detectors
- Support for Local Traffic Responsive
- Natively supports Wavetronix HD125 side fire radar for Speed, Volume, Occupancy, 85% Speed data
- Ramp meter locations can be peer-to-peer sources for other ramp meters and traffic controllers allowing for truly integrated corridor management
- Supports Network Time Protocol and all other GPS based clock inputs for time synchronization
- Supports logging Volume, Occupancy and Speed data to the local controller or USB drive for later analysis
- Linux-based (Facilitates memory and processor power expansion in future)
- Expanded capabilities to support Bluetooth readers and local processing of data
- Includes offline volume/occupancy testing tools for lab simulation of metering functions

Metered Lane Parameters				
Lane	1	2	3	4
Dependency Group	1	1	1	1
Dependency Group Position	1	2	1	1
Command Source Priority Order	Scheme CTI	Scheme CTI	Scheme CTI	Scheme CTI
Min Meter Time	0	0	0	0
Min No Meter Time	0	0	0	0
Absolute Min Rate	300	300	300	300
Absolute Max Rate	3000	3000	1000	1000
System Min Rate	0	0	0	0
System Max Rate	0	0	0	0
Start Alert	4.0	4.0	4.0	4.0
Start Warning	1.0	0.0	0.0	0.0
Start Green	5.0	0.0	0.0	0.0
Start Gap Time	0.0	0.0	0.0	0.0
Start Gap Queue Detector Num	0	0	0	0
Start Yellow	3.0	0.0	0.0	0.0
Start Red	4.0	4.0	4.0	4.0
Min Red	2.0	2.0	2.0	2.0
Red Violation Clearance	2.0	0.0	0.0	0.0
Red Violation Adjust	0.0	0.0	0.0	0.0
Min Green	0.0	1.0	1.0	1.0
Max Green	20.0	20.0	5.0	5.0
Yellow	0.0	0.0	0.0	0.0
Short Stop Time	0.0	0.0	0.0	0.0
Short Stop Occupancy	0.0	0.0	0.0	0.0

Sample MaxTime Ramp Meter programming display as Viewed from Front Panel, Tablet or Smart-Phone (No App Required)

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