



PORTABLE TRAFFIC
SIGNAL SYSTEM



SQ2[®] System

The original flagger replacement device.

TS-5 Type TR2 Mobile Traffic Signal

THE ONLY CRASH-TESTED PORTABLE TRAFFIC SIGNAL

The SQ2 system is the most dependable and user-friendly flagger safety PTS system. As with all Horizon Signal systems, the SQ2 System is engineered with the same quality and durability of SQ3 systems in a compact, ultra-portable form factor. The result is a signal that is perfect for daily work or short-term projects, with enough versatility to handle a wide range of applications including parking garages, haul roads, ramp meters, and more. The SQ2 is the real alternative to flaggers, allowing work crews to complete projects quicker and safer.

The SQ2 Portable Traffic Signal exceeds NEMA TS-5 specifications for Type TR2 PTS.

**“FROM AN
ECONOMIC AND
FEASIBILITY
STANDPOINT,
THE SQ2
SYSTEM HAS
EXCEEDED OUR
EXPECTATIONS”**

MARC
Project Manager
Southern Contracting, LLC

SQ2® Portable Traffic Signal

SPECIFICATIONS

Signal Carts Per System	4
Signal Heads Per Cart	1
Lamp Type	12" (300 mm) Diameter LED
Power Source	12V / (2) 12V batteries
Height: Operating Position	96" (244 cm)
Cart Footprint	31 x 25.5" (79 x 65 cm)
Cart Weight	420 lb. (190 kg)

SQ2 FEATURES

- The only crash-tested PTS available today
- MUTCD Compliant
- Easily converts to pedestrian crosswalk or DAD
- Wireless remote operation mode option
- Work zone indication light to provide visual cues
- Fast, efficient deployment and relocation
- Dual-Processor Malfunction Management System
- Battery power for a full week of operation on a single charge
- Easy-lift handles for maneuverability
- Meets NEMA TS-5 specifications for Type TR2 PTS

AVAILABLE OPTIONS

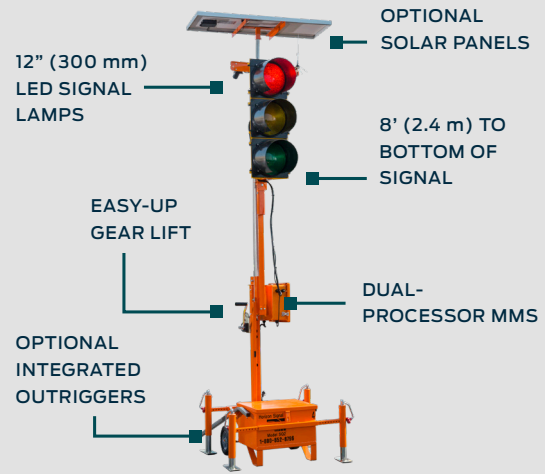
SOLAR CHARGING & OUTRIGGER PACKAGE | The solar charging option extends battery life while the outrigger option provides additional stabilization.

PEDESTRIAN CROSSWALK SIGNALS | System can be configured with MUTCD-compliant pedestrian crosswalk signal indicators.

ADVANCED REMOTE MONITORING | Receive text and/or email alert notifications of signal operation and battery voltage levels.

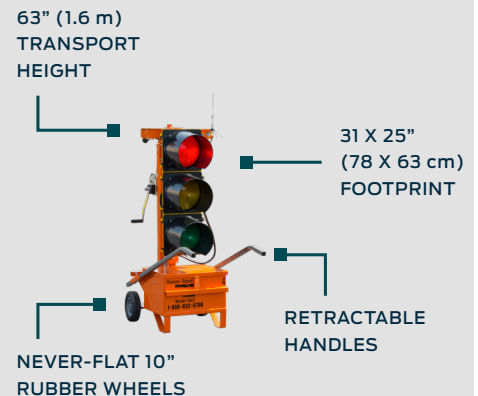
FLAGGER/PILOT CAR MODULE | Allows flagger or pilot car driver to control signal status with built in safeguards.

TRANSPORT TRAILER | An enclosed trailer to transport, store and accommodate charging of SQ2 signals.



NCHRP 350 TL-3 Accepted

The SQ2 system is the only NEMA Type TR2 signal that has been successfully crash tested to NCHRP 350 TL-3 crash testing standards.



DISTRIBUTED BY



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Albuquerque, NM Orlando, FL
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Chicago, IL Waco, TX
Fargo, ND

SQ2[®] System



OPERATING POSITION

Signal Carts Per System	4
Signal Head Per Cart	1
Signals Per Traffic Phase	2
Indication Type	12" LED
Signal Cart Footprint	31" x 25½"
Signal Height	96" from bottom of green to road surface (per MUTCD)

SIGNAL HEADS

Signal Head Type
Aluminum
Visor Type
Poly (Black)
Face Color Options
Standard Black / Optional Yellow
Lamp Type
LED
Lamp Size
12" LED

POWER SUPPLY

Operating Power Source
12 VDC (2 12-volt batteries, optional third)
Battery Capacity
5-7 days of continuous use @ 72 °
Charge
110-volt on board charger

SYSTEM SETUP

Lift System
Manual Hand Crank
Signal Positioning
Carts Manually Wheeled Into Position
Cart weight
420 lbs

AVAILABLE OPTIONS

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ADVANCING WORKZONE SAFETY

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PROGRAMMING OPTIONS

Communication Type	Radio-Quartz-Cable	Fixed Time-Quartz	Cable-Hardwire	Radio
Actuation Option Available	N/A	No	Yes	Yes
Actuation Method	N/A	N/A	Microwave Sensor / Video Detection	Microwave Sensor / Video Detection
Min / Max Green Time Available	N/A	No	Yes	Yes
Dayphase Option Available	N/A	Yes	Yes	Yes
Green Time Extensions Available	N/A	No	Yes	Yes
Maximum Number Of Signals Per Setup	14	14	14	14
Maximum Number Of Phases Per Setup	14	14	14	14
Hand Controller Option Available	Yes	Yes	Yes	Yes
Data Logger	Yes	Yes	Yes	Yes

APPLICATIONS

Communication Type	Radio-Quartz-Cable	Fixed Time-Quartz	Cable-Hardwire	Radio
Flagger Applications	Yes	Yes	Yes	Yes
Roadside Utility Repair	Yes	Yes	Yes	Yes
Construction Projects	Yes	Yes	Yes	Yes
Disaster Relief	Yes	Yes	Yes	Yes
Parking Lot Access	Yes	Yes	Yes	Yes
Sporting Events	Yes	Yes	Yes	Yes
Fairs and Festival Traffic Control	Yes	Yes	Yes	Yes



HORIZON
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