

# Enhanced Visibility (EV) Products

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Pyrometers

Speedometers  
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R5441



R6440



R5483M



R6482M

## EV Products

EV instruments offered in this catalog have the following standard features:

- Black dished face dial, white backlit numerals, illuminated white pointer and black brass low-profile bezel on Automotive series.
- White dished face dial, blue backlit numerals, illuminated blue pointer and chromed brass low-profile bezel on Marine series.
- Convex scratch-resistant glass lenses. Exception: domed polycarbonate crystal lenses on trip odometer speedometers and memory and internal shift lite tachometers.
- Antifog solution applied to inside of glass lenses.
- All instruments frontally sealed.
- All outer plastic parts are UV stabilized.
- Glass filled white polyester case resists corrosion and vibration and augments lighting, designed for superior night time viewing.
- The mechanical pressure and temperature gauges, as well as the pitot speedometer, feature a phosphor bronze bourdon tube linked to a gear and pinion arrangement for accurate indication.
- Most gauges are for 12 VDC NG operation. Some 24 VDC NG versions also offered.

## Speedometers

ISSPRO, INC. is one of the largest suppliers of ruggedly reliable and easily replaceable speedometers to heavy duty OEMs and now brings that same expertise to the automotive and marine markets. High quality mechanical and microprocessor-based programmable speedometers, sensors and generators are offered.

## Mechanical Speedometers

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	ODOMETER	BULBS/GAUGE
R5441	N/A	3 3/8"	120 mph	yes + trip	3

SAE connections 5/8"-18 cable nut with .104" square hole.

## Pitot Type Speedo

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	ODOMETER	BULBS/GAUGE
N/A	R6440*	3 3/8"	60 mph	no	2
N/A	R6441*	3 3/8"	120 mph	no	2

\* Pitot tube - for marine use only.

## Programmable Speedometers

These microprocessor based speedometers are driven electronically by a signal generated from a pulse generator or magnetic pickup. They function over a broad range of applications by using the trip knob in program mode for field programmability. For replacement applications, they will accept signals from most sensors or generators in use. Silicone dampened air core movements provide steady readings. Mounting hardware and lighting kit are included. 12 or 24 VDC NG operation. T-6.5 bulb type.

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	ODOMETER	BULBS/GAUGE
R5482M	R6482M	3 3/8"	120 mph	yes + LCD trip	2
R5483M	R6483M	3 3/8"	160 mph	yes + LCD trip	2



R5597



R55120



R6510



R5501

## Tachometers

ISSPRO, INC.'s tachometers, like its speedometers, are designed to withstand adverse environments. Mechanical, programmable, ignition and diesel tachometers are available.

### Mechanical Tachometers

These tachometers are cable driven and offer the same features as ISSPRO, INC.'s mechanical speedometers. They are robust and reliable for new installations or replacement applications. Drive ratio is .5:1. Mounting hardware and light kit included. T-5 bulb type.

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	BULBS/GAUGE
R5597	R6597-001	3 3/8"	0-3500 rpm	2

### Programmable Tachometers

These microprocessor based instruments are designed to accept signals from pulse generators, magnetic sensors and alternators. Units feature dip switch programming. Mounting hardware and light kit included. 12 or 24 VDC NG operation. T-6.5 bulb type.

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	BULBS/GAUGE
R5535M	R6535M	3 3/8"	0-3500 rpm	2

### Ignition Tachometers

These tachometers are designed for most standard ignition systems that have a coil type ignition or tach output connection. Applications are for 4, 6 or 8 cylinder four stroke engines. All units are 12 and 24 VDC NG capable. Mounting hardware and light kit included. Bulb type listed below.

BLACK/WHITE	WHITE/BLUE	SIZE	SCALE	FEATURES	BULB TYPE	BULBS/GAUGE
R5510	R6510	2 1/16"	0-6000 rpm		T-5	2
R55100	R65100	3 3/8"	0-6000 rpm		T-6.5	2
N/A	R65110	3 3/8"	0-8000 rpm		T-6.5	2
R55111	N/A	3 3/8"	0-8000 rpm	internal shift lite	T-6.5	2
R55120	N/A	5"	0-10,000 rpm	recall	T-10	2

### 2 1/16" Diesel Tachometers

While these tachometers are designed primarily for diesel systems, they will work with any two pulse per rev. sender. All units are 12 and 24 VDC NG capable. Mounting hardware and light kit included. Use sensor kits as shown on page 17 of this catalog. Automotive units in this section have red-orange pointers. T-5 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULB TYPE	BULBS/GAUGE
R5501	R6501	0-3000 rpm	T-5	2
R5503	R6503	0-4000 rpm	T-5	2
R5504	R6504	0-5000 rpm	T-5	2
R5591	R6591	0-6000 rpm	T-5	2



R5600



R5604R



R5610



R5623



R6804R



R6823R



R5605



R5643R

## Mechanical Gauges

Mechanical gauges sense pressure or temperature through tubing that transmits the pressure, vacuum or temperature. Electricity required for operation is for night lighting only. Senders are not needed for mechanical gauges. All mechanical gauges have 270° sweep.

## Mechanical Oil Pressure & Drive Oil Pressure Gauges

Requires pressure tubing kit (R7110 or R7110-10) for installation. T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5600	R6700	0-80 psi	1
R5601	R6701	0-100 psi	1
<b>DRIVE OIL PRESSURE</b>			
R5608*	R6708*	0-400 psi	1

\* Requires braided stainless steel hose.

## Mechanical Air Pressure Single

Requires pressure tubing kit (R7110 or R7110-10) for installation. T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5605	R6705	0-150 psi	1

## Mechanical Dual Air Pressure

Features two pointers; top pointer is white, bottom pointer is fluorescent orange. Features perimeter lighting. T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5606	R6706	0-150 psi	1

## Mechanical Fuel Pressure Gauges

Braided stainless steel tubing required. Gauge must be mounted outside of vehicle for safety. T-10 bulb. Isolator or snubber is recommended on all fuel pressure applications.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	WHITE/RED	SCALE	BULBS/GAUGE
R5604	R5604R	R6704	R6804R	0-30 psi	1
R5607	R5607R	R6707	R6807R	0-60 psi	1



R5675



R6871



R6713

## Mechanical Manifold Pressure Gauges

Requires pressure tubing kit (R7110 or R7110-10) for installation. T-10 bulb type.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	SCALE	BULBS/GAUGE
R5611	R5611R	R6711	0-15 psi	1
R5610	R5610R	R6710	0-40 psi	1

## Mechanical Turbo Boost Gauges

Requires pressure tubing kit (R7110 or R7110-10) for installation. T-10 bulb type.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	WHITE/RED	SCALE	BULBS/GAUGE
R5613	R5613R	R6713	R6813R	0-30 psi	1
R5623	R5623R	R6723	R6823R	0-60 psi	1
R5633	R5633R	R6733*	N/A	0-80 psi	1
R5643	R5643R	R6743*	N/A	0-100 psi	1

## Mechanical Vacuum Gauges

Requires pressure tubing kit (R7111) for installation. T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5675	R6775	0-30 inHg	1

## Mechanical Vacuum/Turbo Pressure Gauges

Requires pressure tubing kit (R7110 or R7110-10) for installation. T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5870	R6871	0-30inHg - 0-25 psi	1

## Mechanical Water Temperature Gauges

T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	CAPILLARY	BULBS/GAUGE
R5630	R6730	100-265°F	72"	1
R5631	R6731	100-265°F	144"	1
R5632	R6732	100-265°F	96"	1
R5634	R6734	100-265°F	48"	1

## Mechanical Oil Temperature Gauges

T-10 bulb type.

BLACK/WHITE	WHITE/BLUE	SCALE	CAPILLARY	BULBS/GAUGE
R5635	R6735	140-325°F	72"	1
R5636	R6736	140-325°F	144"	1

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R3607



R3607T



R3607GR



R3607VW



R3707G



R3807GR



R5621R



R5690

## Electrical Gauges

Electrical gauges are designed with a silicone dampened air core movement. A coil of wire is wound around a bobbin with a center magnet. When an electrical current is applied to the coil, the gauge pointer moves to the resulting electrical field. Wire, electrical terminals and 12 VDC from the vehicle are required for installation. 270° sweep electrical gauges include amplifier and sender; this matched calibrated set is required for operation.

## Electrical Air Core Pyrometers

Provided with signal amplifier. Choose lead wire, thermocouple and accessories in Pyrometers section of this catalog on page 8. T-5 bulb type.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	WHITE/RED	°F SCALE	APPLICATION	BULBS/GAUGE
R3607	R3607R	R3707	N/A	100-1800°	gas	2
R3607G	R3607GR	R3707G	R3807GR	100-1500°	diesel	2
R3607T	R3607TR pre-turbo	N/A	N/A	100-1500°	diesel	2
R3607VW	R3607VWR post-turbo	N/A	N/A	100-1500°	diesel	2

## Electrical Oil Pressure Gauges (270° Sweep)

Provided with signal amplifier and sender (matched set). See below. T-5 bulb type. Oil pressure sender is 1/8" NPT.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	SCALE	BULBS/GAUGE
R5620	N/A	R6720	0-80 psi	2
R5621	R5621R	R6721	0-100 psi	2
R5622 (24VDC)	N/A	R6722 (24VDC)	0-100 psi	2





R6760



R5659R



R6759



R6859R

## Electrical Fuel Level Gauges

Use with fuel lever senders listed on page 28 and 29. T-10 bulb type.

BLACK/WHITE	BLACK/RED	SCALE	TYPE	BULBS/GAUGE
R5690	R6790	Empty, 1/4, 1/2, 3/4, Full	240-33 ohm	1
R5691 (24VDC)	R6791 (24VDC)	Empty, 1/4, 1/2, 3/4, Full	240-33 ohm	1

## Electrical Ammeters

No sender required. T-10 bulb type.

BLACK/WHITE	BLACK/RED	SCALE	SHUNT	BULBS/GAUGE
R5666	R6766	60-0-60 amps	internal	1

## Electrical Voltmeters

No sender required. T-10 bulb type.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	WHITE/RED	SCALE	BULBS/GAUGE
R5660	R5660R	R6760	R6860R	12VDC/ 10-16 VDC	1
R5661	N/A	R6761	N/A	24VDC/ 20-32 VDC	1

## Electrical Temperature Gauges (270° Sweep)

Provided with signal amplifier and sender (matched set). See below. T-5 bulb type. Supplied with 1/8" NPT temperature sender and 1/4, 3/8, 1/2" NPT adapters.

BLACK/WHITE	BLACK/RED	WHITE/BLUE	WHITE/RED	SCALE	GAUGE TYPE	BULBS/GAUGE
R5650	N/A	R6750	N/A	100-240°F	Water	2
R5651 (24VDC)	N/A	R6751 (24VDC)	N/A	100-240°F	Water	2
R5654	R5654R	R6754	N/A	140-320°F	Oil	2
R5655 (24VDC)	N/A	R6755 (24VDC)	N/A	140-320°F	Oil	2
R5656	R5656R	R6756	N/A	140-320°F	Trans oil	2
R5657 (24VDC)	N/A	R6757 (24VDC)	N/A	140-320°F	Trans oil	2
R5658	R5658R	R6758	N/A	100-280°F	Water	2
R5659	R5659R	R6759	R6859R	100-280°F	Trans oil	2
R5659-0	R5659R-0	N/A	N/A	100-280°F	Oil	2

Pyrometers

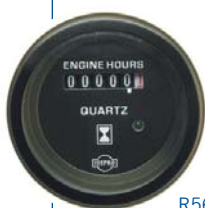
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R5661HV



R6762HV



R5692-12



R7750



R7752



R7753



R7754



R7763

## 2 1/16" Hourmeters

BLACK/WHITE	WHITE/BLUE	VOLTS	STYLE
R5661HV	R6762HV	10-80 VDC	Standard gauge mounting

## 2 1/16" Electrical Water Level Gauges

Contact factory for sender information.

BLACK/WHITE	WHITE/BLUE	SCALE	BULBS/GAUGE
R5692	R6792	0, 1/2, 4/4	

## Bezels

Fold on bezels. Red, white, blue and black are powder coated. For EV gauges only.

COLOR	COLOR	COLOR	SIZE
red R7750	white R7751	blue R7752	2 1/16
black R7753	chrome R7754	brass R7755	2 1/16
red R7762	white R7763	blue R7764	3 3/8"
black R7765	chrome R7766	brass R7767	3 3/8"

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OVER 55  
YEARS!





R7766



R77001



R77010



R77011

## Pillars & Pods

PART NUMBER	SIZE	MAKE/YEAR	PILLAR/POD
R7700	2 1/16"	Ford F series 92-97*	dual pillar
R7701	2 1/16"	Ford F series 92-97*	triple pillar
R7702	2 1/16"	Ford F series 98-01 & F-150 97	dual pillar
R7703	2 1/16"	Ford F series 98-01 & F-150 97	triple pillar
R7704	2 1/16"	Dodge Ram 94-97	dual pod
R7705	2 1/16"	Chevy GM full size 88-94	dual pod
R77000	2 1/16"	Dodge Ram 98-01 & Ram 2500/3500 02	dual pillar
R77001	2 1/16"	Ford F series 02 & F-150 03	dual pillar
R77002	2 1/16"	Dodge Ram w/speaker 98-02 & Ram 2500/3500 02	dual pillar
R77003	2 1/16"	Chevy GM full size 00-04	dual pillar
R77004	2 1/16"	Chevy GM full size w/ speaker 03-04	dual pillar
R77005	2 1/16"	Chevy GM full size 00-04	triple pillar
R77006	2 1/16"	Ford Super Duty 99-04	quadruple pillar
R77007	2 1/16"	Dodge Ram w/speaker 98-02	triple pillar
R77008	2 1/16"	Dodge Ram 94-97	triple pillar
R77009	2 1/16"	Dodge Ram 03-04	dual pillar, lt gray
R77010	2 1/16"	Dodge Ram 98-01	triple pillar
R77011	2 1/16"	Dodge Ram 03-04	triple pillar, lt gray
R7706	2 1/16"	Ford F series 87-97	dual pod
R7707	2 1/16"	Ford Super Duty 99-04	triple pillar
R7708	2 1/16"	Ford Super Duty 99-04	dual pod

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Accessories

For mounting cups and brackets, see page 37.

- R7799** 42" extension cable goes between gauge head and amplifier box on electrical gauges. This accessory makes overhead installations easier.
- R7797** Fuel pressure gauge isolator
- R7798** Pressure gauge snubber

Bulb Covers

Find bulb types and quantities of bulbs needed on table of each gauge. Intended for use on automotive (black face) only. For EV gauges only.

ORANGE	BLUE	GREEN	BULB TYPE
R7768	R7769	R7770	T-10
R7771	R7772	R7773	T-5
R7774	R7775	R7776	T-6.5

EV Replacement Bulbs

	T-5	T-6.5	T-10
12V	R7780	R7781	R7782
24V	R7783	R7784	R7785

Displays

- R0005 EV** Countertop Display. Automotive (black face), 2 1/16" pyrometer, turbo boost, oil temperature gauges.

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