

Analog Output:

MA: 4 to 20 mA
V1: 0 to 5 Vdc
V2: 0 to 10 Vdc
K: K type thermocouple, compensated
MVC: 10 mV/°C
MVF: 10 mV/°F

Output Load Requirements:

Min Load (0 to 5 Vdc): 1 KΩ
Min Load (0 to 10 Vdc): 2 KΩ
Max Load (4 to 20 mA):
 (Power supply – 4) / 20 mA
Min Load (10 mV/Deg): 10 KΩ
Min Load (K T/C): 100 KΩ

Operating Ambient Temperature:

No Water Cooling: 0 to 70°C
 (32 to 158°F)
With Water Cooling (OS136-WC):
 0 to 200°C (32 to 392°F)
With Air Cooling (OS136-WC):
 0 to 110°C (32 to 230°F)

Operating Relative Humidity:

Less than 95% RH, non-condensing

Water Flow Rate for OS136-WC:

0.25 GPM, room temperature, minimum

Air Flow Rate for OS136-WC:

5 CFM (2.4 liters/sec)

Warm-Up Period:

1 to 2 minutes
Thermal Shock: About 30 minutes for 25°C abrupt ambient temperature change

Air Flow Rate for Air Purge Collar:

1 CFM (0.5 liters/sec)

Transmitter Housing:

316 SS, NEMA 4 and IP66 rated

Power: 12 to 24 Vdc @ 50 mA

Dimensions: 19 OD x 89 L mm (0.75 x 3.5")

Weight: 181 g (0.40 lb)

LASER SIGHT ACCESSORY SPECIFICATIONS**Laser Wavelength (Color):**

630 to 670 nm (red)

Operating Distance: Up to 9.1 m (30')

Max Laser Power Output:

Less than 1 mW @ 22°C ambient

Safety Classification:

Class 2 EN60825-1/11.2001

FDA Classification: Class II laser product; complies with 21 CFR 1040.10

Laser Beam Diameter:

Less than 5 mm (0.2")

Beam Divergence: Less than 2 mrad

Operating Temperature:

0 to 50°C (32 to 122°F)

Operating Relative Humidity:

Less than 95% RH, non-condensing

Power Switch: On/off, slide switch on the battery pack

Power Indicator: Red LED

Power: Battery pack, 3 Vdc (included)

Caution and Certification Label:

Located on the head sight circumference

Identification Label: Located on the head sight circumference

Connect your OS136 to a precision controller CNI8DH, \$340, sold separately. Please see page 40 for complete information on this and other iSeries meters and controllers.

CNI8DH shown actual size.



Aperture Label: Located on the head sight circumference

Dimensions:

38Ø x 50.8 mm L (1.5 x 2")

To Order (Specify Model Number)**MOST POPULAR MODELS HIGHLIGHTED!**

MODEL NO.	PRICE	DESCRIPTION
OS136-(*)-MV-F	\$175	Infrared transmitter with 10 mV/°F output
OS136-(*)-MV-C	175	Infrared transmitter with 10 mV/°C output
OS136-(*)-MA	175	Infrared transmitter with 4 to 20 mA output
OS136-(*)-V1	175	Infrared transmitter with 0 to 5 Vdc output
OS136-(*)-V2	175	Infrared transmitter with 0 to 10 Vdc output
OS136-(*)-K	175	Infrared transmitter with type K T/C output

* Insert "1" for -18 to 202°C (0 to 400°F); Insert "2" for 149 to 538°C (300 to 1000°F).

Ordering Examples: OS136-1-MA, infrared transmitter with temperature range of -18 to 202°C (0 to 400°F) and 4 to 20 mA output, \$175.

OS136-1-V1 and CNI8DH33, infrared transmitter with temperature range of -18 to 202°C (0 to 400°F), 0 to 5 Vdc output, and ½ DIN temperature controller, \$175 + 340 = \$515.

Accessories

MODEL NO.	PRICE	DESCRIPTION
OS100-MB	\$20	Mounting bracket
OS100-AP	30	Air purge collar
OS136-WC	150	Water/air cool jacket
OS100-LS†	175	Laser sighting
TX4W-50	75	4-conductor shielded high-temp cable, 15 m (50')
TX4-100	28.50	4-conductor shielded cable, 30 m (100')
PSR-24S	60	Regulated power supply, US plug, 90 to 264 Vac input, 24 Vdc output, 400 mA, screw terminals, UL
PSR-24L	60	Regulated power supply, US plug, 90 to 264 Vac input, 24 Vdc output, 400 mA, stripped leads, UL
PSR-24L-230	60	Regulated power supply, European plug, 230 Vac input, 24 Vdc output, 400 mA, stripped leads, CE
PSU-93	40	Unregulated power supply, 16 to 23 Vdc, 300 mA max, screw terminal
CAL-3-IR	125	NIST-traceable calibration

† OS136-LS laser sighting: 1 unit suitable for aligning multiple heads. Used during installation only.

Ordering Example: OS100-MB, mounting bracket, \$20.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters