



INSTRUMENTS, INC.

468 Liberty Drive
Wittenberg, WI 54499
U.S.A.

TEL: 715-253-2801
715-445-4946
FAX: 715-253-2811

IMC SOLAR EAGLE®2

Effective 04-10-2015

Rev 1.7

“E2” Controllers & Accessories Price List

DRAIN BACK / PRESSURIZED - TEMPERATURE LIMITED DIFFERENTIAL CONTROLLERS

New#E2C1-1000-DB Old#SOLR-2ELC-10
CNTRLR E2 DIF LCO 10A (Drain-Back)

With line cord & receptacle single relay 10 amp rated
Package Price w/ two sensor

\$ 293.00 LIST

New#E2C2-1500-DB Old#SOLR-2ELC-15
15 amp rated. Package Price w/ two sensors

\$ 306.00 LIST

New #E2W1-2000-DB Old #SOLR-2EHW-20
CNTRLR EGL-2 DIF HDW 20A

Line powered - single relay with conduit holes for permanent wiring -20 amp rated; Package Price w/ two sensors

\$ 293.00 LIST

New #E2W1-3000-DB Old #SOLR-2EHW-30 (NL)**
30 amp rated; Package Price w/ two sensors

\$ 306.00 LIST

DRAIN BACK / PRESSURIZED - TEMPERATURE LIMITED DIFFERENTIAL CONTROLLERS with ISOLATED SERIAL PORT

New#E2C1-1000-DBIP Old#SOLR-2EIC-10
CNTRLR E2 ISO-PORT DIF LCO 10A (Drain-Back)

ISOLATED serial port for permanent PC & Converter connection.
With line cord & receptacle single relay 10 amp rated
Package Price w/ two sensor

\$ 330.00 LIST

New#E2C2-1500-DBIP Old#SOLR-2EIC-15
15 amp rated. Package Price w/ two sensors

\$343.00 LIST

New#E2W1-2000-DBIP Old#SOLR-2EIW-20
CNTRLR E2 ISO-PORT DIF HDW 20A (Drain-Back)

ISOLATED serial port for permanent PC & Converter connection. Line powered- single relay with Conduit holes for permanent wiring - 20 amp rated
Package Price w/ two sensors

\$ 330.00 LIST

New#E2W1-3000-DBIP Old#SOLR-2EIW-30 (NL)**
30 amp rated. Package Price w/ two sensors

\$ 343.00 LIST

POOL - INDOOR- TEMPERATURE LIMITED DIFFERENTIAL CONTROLLERS

New# E2C1-1000-PL Old# SOLR-2EPC-10
CNTRLR E2 DIF I-POOL LCO 10A

With line cord & receptacle single relay 10 amp rated
Package Price w/ two sensor

\$ 305.00 LIST

New# E2C2-1500-PL Old# SOLR-2EPC-15
CNTRLR E2 DIF I-POOL LCO 15A

15 amp rated. Package Price w/ two sensors

\$ 318.00 LIST

New# E2W1-2000-PL Old# SOLR-2EPW-20
CNTRLR E2 DIF I-POOL HDW 20A

Line powered - single relay with conduit holes for permanent wiring -20 amp rated; Package Price w/ two sensors

\$ 305.00 LIST

New# E2W1-3000-PL Old# SOLR-2EPW-30 (NL)**
CNTRLR E2 DIF I-POOL HDW 30A

30 amp rated. Package Price w/ two sensors

\$ 318.00 LIST

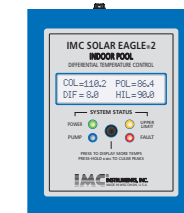
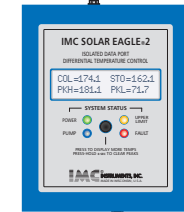
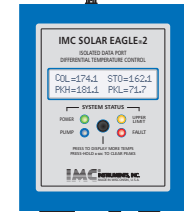
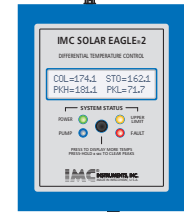
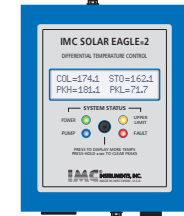
** NOT ETL-UL LISTED

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CONFORMS TO
UL STD 873



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Intertek
4003997

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SET POINT CONTROLLERS

New#E2W1-2000-SP Old#HVAC-2ESW-20

CNTRLR E2 STPT HDW 20A

Line powered SET POINT controller- single relay with conduit holes for permanents wiring - 20 amp rated Package Price w/ one sensor

\$ 271.00 LIST

New#E2W1-3000-SP Old#HVAC-2ESW-30 (NL)**

30 amp rated. Package Price w/ one sensor

\$ 284.00 LIST

New#E2C1-1000-SP Old#HVAC-2ESC-10

CNTRLR E2 STPT LCO 10A

Line powered SET POINT controller- single relay with line cord and receptacle - 10 amp rated. Package Price w/ one sensor

\$ 278.00 LIST

New#E2C1-1500-SP Old#HVAC-2ESC-15

15 amp rated. Package Price w/ one sensor

\$ 290.00 LIST

WARM AIR DIFFERENTIAL CONTROLLER

New #E2C1-1000-WA Old #SOLR-2EAC-10

CNTRLR E2 DIF W-AIR LCO 10A

With line cord & receptacle single relay 10 amp rated Package Price w/ one sensor & space thermostat

\$ 361.00 LIST

New #E2C2-1500-WA Old #SOLR-2EAC-15

CNTRLR E2 DIF W-AIR LCO 15A

With line cord & receptacle single relay 15 amp rated. Package Price w/ one sensor & space thermostat

\$ 374.00 LIST

New #E2W1-2000-WA Old #SOLR-2EAW-20

CNTRLR E2 DIF W-AIR HDW 20A

Line powered - single relay with conduit holes for permanent wiring - 20 amp rated;

Package Price w/ one sensor & space thermostat

\$361.00 LIST

DUAL RELAY / DUAL CIRCUIT UNIVERSAL DIFFERENTIAL CONTROLLER

New #E2W1-2020-PR Old #SOLR-2ERW-20

CNTRLR E2 DIF 2RL HDW 20A

Line powered - dual relay with conduit holes for permanent wiring - 20 amp rated; Package Price w/ two sensors

\$ 358.00 LIST

New #E2W1-3030-PR Old #SOLR-2ERW-30 (NL) **

30 amp rated; Package Price w/ two sensors

\$370.00 LIST

- 4 sensor version. 5& 6 sensor versions available latter 2011

12VDC BATTERY POWERED DIFFERENTIAL CONTROLLER

#SOLR-2EDW-D1

CNTRLR E2 DIF HDW 12 VDC

For LEAD ACID BATTERY (10 to 15vdc) applications with 30amp EM relay w/isolated contacts. Power required is 1.5 wats. Isolated 30 amp relay;

Package Price w/ two sensors

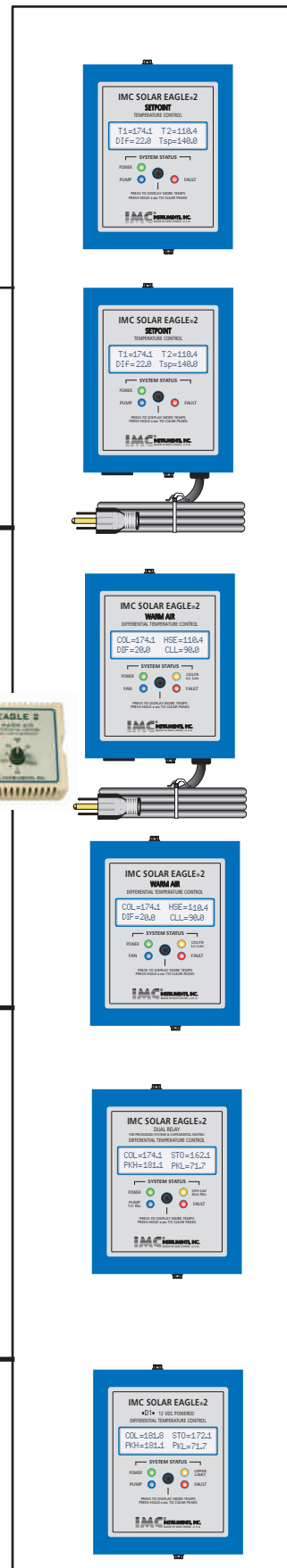
\$ 307.00 LIST

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IMC SOLAR price LIST

04-10-2015

REV 1.7

“E2” Controllers & Accessories Price List Effective 09-01-2011

PV PANEL 0-22 VDC POWERED DIFFERENTIAL CONTROLLER

#SOLR-2EDW-D2 (NL)**

CNTRLR E2 DIF HDW 0-22VDC

For PV panel powered (4vdc to 22vdc) applications
With 6 amp Solid state relay grounded contacts. Power required is 0.60 watts or 250
mili- watts with no back light enabled
Package Price w/ two sensors **\$ 293.00 LIST**

#7750-0012 - used as PV power backup

PWR SUPPLY 18W 12VDC at 2.5 amps

#7087-0013 - used as bat.charger and power back up

BATTERY CHRGR 13.5VDC at 1.5 amps

AC adapters include qty(2), 8 amp DIODES

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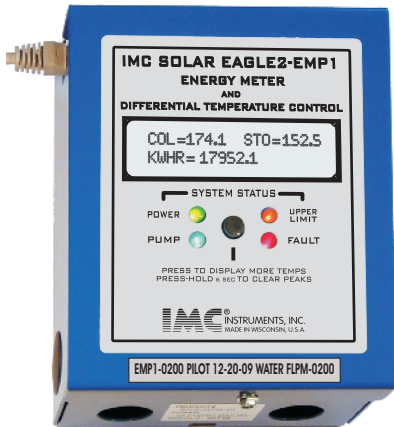
IMC SOLAR ENERGY METER WHOLESALE price LIST 01-21-2014

For pricing Please see separate
ENERGY METER price lists

MODEL EMP# ENERGY METERS WITH BUILT IN DIFFERENTIAL CONTROLLER

INTEGRATED FLOW MERTRS

COMPLETE PACKAGE WITH FLOW METER, PRECISION BTU TEMPERATURE SENSORS,
BOLT ON TEMPERATURE SENSORS, DIFFERENTIAL CONTROLLER AND BTU METER



FLOW CHAMBER TYPE: WOLTMANN TURBINE



FLOW CHAMBER TYPE: MULTI-JET



PRECISION BTU MEASURING
TEMPERATURE SENSORS (+/-0.2F)
#SOLR-TS13-02 IMRS 2-SENSOR 1/4"NPT FTG 2.5"L
#SOLR-TS23-02 IMRS 2-SENSOR 1/2"NPT FTG 2.5"L
#SOLR-TS14-02 IMRS 2-SENSOR 1/4"NPT FTG 4"L
#SOLR-TS24-02 IMRS 2-SENSOR 1/2"NPT FTG 4"L
#SOLR-TS15-02 IMRS 2-SENSOR 1/4"NPT FTG 8"L
#SOLR-TS25-02 IMRS 2-SENSOR 1/2"NPT FTG 8"L

FOR SOLAR LOOP:
BOLT ON TEMPERATURE SENSORS
#SOLR-TS02 SENSOR BOLT-ON STYLE

“PRECISION GRADE- OIML R 75-1 COMPLIANT”

COMPLETE THERMAL ENERGY METERS / SOLAR DIFFERENTIAL CONTROLLERS PACKAGES

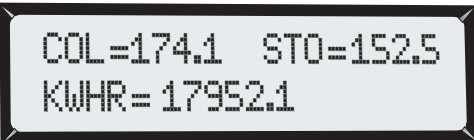
For pricing Please see separate
ENERGY METER price lists

ALL ENERGY METERS /
CONTROLLERS ARE

ETL LISTED

to **UL873** standards
and is

OIML R 75-1 COMPLIANT



KWHRs COUNTERS



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ACCESSORIES

PC INTERFACE

#SOLR-DA10 PC DATA PORT ADAPTER NON-ISOL

\$70.00 LIST



PC DATA-PORT ADAPTER for USB*: SOLR-DA15

USB direct connection to PC with 7' cable/RJ45 plug non isolated.
 Drivers for Win XP, Vista & Win 7 are installed from a simple setup program.

\$75.00 LIST



EXTENSION CABLES

- | | | |
|------------|-------------------------|--------------|
| #3079-5007 | EXT CABLE CAT-5 7' LG | \$7.50 LIST |
| #3079-5014 | EXT CABLE CAT-5 14' LG | \$16.10 LIST |
| #3079-5025 | EXT CABLE CAT-5 25' LG | \$26.90 LIST |
| #3079-5100 | EXT CABLE CAT-5 100' LG | \$40.00 LIST |
| #3081-0045 | CONNECTOR CAT-5 COUPLER | \$7.50 LIST |

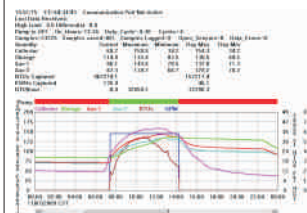
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DATA LOGGING AND CHARTING SOFTWARE

#SOLR-TLOG
 LOGGING/GRAPHING PC SOFTWARE
 CALL FACTORY

\$95.00 LIST



REMOTE DIGITAL DISPLAYS

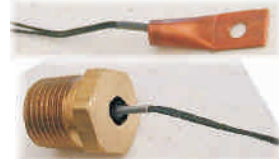
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|---------------|----------------------------------|---------------|
| #SOLR-RD80 | REMOTE LCD DISPLAY 4x20 CHRS GRN | |
| #SOLR-RD84 | REMOTE LCD DISPLAY 4x20 CHRS BLU | |
| #SOLR-RD84-BE | REMOTE LCD DISPLAY 4x20 CHRS BWE | \$132.00 LIST |

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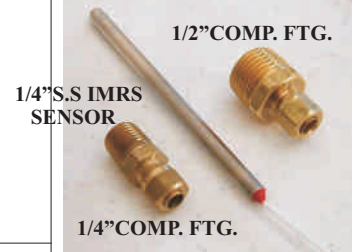
10 K THERMISTORS - TEMPERATURE MEASUREMENT

- | | | |
|------------|--------------------------|--------------|
| #SOLR-TS02 | SENSOR BOLT-ON STYLE | \$34.00 LIST |
| #SOLR-TS03 | SENSOR 1/2" NPT HEX PLUG | \$37.40 LIST |



IMMERSION SENSOR W/ COMPRESSION FTNGS

- | | | |
|------------|-------------------------------|--------------|
| #SOLR-TS13 | IMRS SENSOR 1/4"NPT FTG 2.5"L | \$44.33 LIST |
| #SOLR-TS23 | IMRS SENSOR 1/2"NPT FTG 2.5"L | \$47.27 LIST |
| #SOLR-TS14 | IMRS SENSOR 1/4"NPT FTG 4"L | \$47.03 LIST |
| #SOLR-TS24 | IMRS SENSOR 1/2"NPT FTG 4"L | \$49.30 LIST |
| #SOLR-TS15 | IMRS SENSOR 1/4"NPT FTG 8"L | \$48.73 LIST |
| #SOLR-TS25 | IMRS SENSOR 1/2"NPT FTG 8"L | \$50.67 LIST |



1/4" IMMERSION SENSOR W/OUT COMPRESSION FTNGS

- | | | |
|------------|--------------------------|--------------|
| #SOLR-TSN3 | IMRS SENSOR W/O FTG 2.5L | \$39.67 LIST |
| #SOLR-TSN4 | IMRS SENSOR W/O FTG 4"L | \$41.37 LIST |
| #SOLR-TSN5 | IMRS SENSOR W/O FTG 8"L | \$43.07 LIST |



1/4" DUAL IMMERSION SENSOR W/ COMPRESSION FTNGS

- | | | |
|---------------|-----------------------------|--------------|
| #SOLR-TS25-20 | IMRS SENSOR 1/2"NPT FTG 8"L | \$56.67 LIST |
|---------------|-----------------------------|--------------|



6 MM IMMERSION SENSOR W/OUT COMPRESSION FTNGS

- | | | |
|---------------|--------------------------|--------------|
| #SOLR-TSN3-6M | IMRS SENSOR W/O FTG 2.5L | \$44.20 LIST |
| #SOLR-TSN4-6M | IMRS SENSOR W/O FTG 4"L | \$45.90 LIST |
| #SOLR-TSN5-6M | IMRS SENSOR W/O FTG 8"L | \$47.60 LIST |



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ACCESSORIES cont

PRECISION MATCHED SENSOR PAIRS W/COMP FTNGS

- #SOLR-TS13-02 IMRS 2-SENSOR 1/4"NPT FTG 2.5"L \$111.80 LIST
- #SOLR-TS23-02 IMRS 2-SENSOR 1/2"NPT FTG 2.5"L \$115.20 LIST
- #SOLR-TS14-02 IMRS 2-SENSOR 1/4"NPT FTG 4"L \$114.80 LIST
- #SOLR-TS24-02 IMRS 2-SENSOR 1/2"NPT FTG 4"L \$118.20 LIST
- #SOLR-TS15-02 IMRS 2-SENSOR 1/4"NPT FTG 8"L \$117.80 LIST
- #SOLR-TS25-02 IMRS 2-SENSOR 1/2"NPT FTG 8"L \$121.20 LIST

PRECISION MATCHED SENSOR PAIRS W/OUT COMP FTNGS

- #SOLR-TSN3-02 IMRS 2-SENSOR W/O FTG 2.5"L \$104.80 LIST
- #SOLR-TSN4-02 IMRS 2-SENSOR W/O FTG 4"L \$107.80 LIST
- #SOLR-TSN5-02 IMRS 2-SENSOR W/O FTG 8"L \$110.80 LIST

- #2202-0404 COMP FTG, BRS .25 DIAx 1/4"NPT \$5.50 LIST
- #2202-0408 COMP FTG, BRS .25 DIAx 1/2"NPT \$6.95 LIST

- 1770-0104 TMWELLSS#304 2.6L 1/2Mx 1/4F-NPT \$49 LIST

AC ADAPTERS Includes qty(2) , 8 amp DIODES

- #7750-0012 - used as PV power backup
PWR SUPPLY 18W 12VDC at 2.5 amps \$53.33 LIST
- #7087-0013 - used as bat.charger and power back up
BATTERY CHRGR 13.5VDC at 1.5 amps \$53.33 LIST

BACNET IP INTERFACE

MODEL # 460 BSAIMC Complete Ethernet based Bacnet interface for connecting Building Automation Systems to the SERIAL DATA port of the EAGLE controllers.

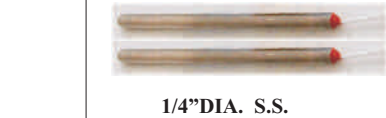
CALL FACTORY \$1220.00 NET

DATA RECORDER

MODEL # SOLR-SD20 For recording the SERIAL out put of the EAGLE controllers in TEXT format. Includes 4Gb SD card (2 years of logging) with 3 foot extension \$215 LIST

MODEL # SOLR-SD20-IP For recording the SERIAL out put of ISOLATED EAGLE controllers in TEXT format. Includes 4Gb SD card (2 years of logging) with 3 foot extension and AC ADAPTER for line operation \$225 LIST

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ACCESSORIES cont

SIX THERMISTOR SELECTOR BOX

MODEL #SOLR-0076 -Selects 1 of six thermistor sensors for monitoring by the Eagle Controller

\$200.00 LIST

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DATA PORT SPLITTER-

MODEL # SOLR-DA21 -Allows connection of two devices to the Eagle Controller SERIAL DATA PORT

\$ 66.67 LIST



FLOW METER CABLE EXTENSION 3.5 MM PREMIUM M/F

- MODEL #3079-025** 25 feet extension **\$30.00 LIST**
- MODEL #3079-050** 50 feet extension **\$45.00 LIST**
- MODEL #3079-100** 100 feet extension **\$70.00 LIST**



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