INFINITY® ⅛ DIN Panel Meters/Controllers

INFINITY® B Ultra High Performance Universal Meter/Controller

- Universal Inputs: DC Voltage/Current, T/C, RTD, Strain
- Accuracy: ±0.005% rdg
- 6-Digit Color Changing LED Display
- NEMA 4 (IP65) Front Bezel
- Up to 142 Readings Per Second
- 10 Point Linearization
- Ethernet or RS232/RS485 Optional

INF-B

INFINITY® C Series Meters/Controllers

- Multiple Input Models
- Process Voltage/Current (INFCP-B)
- Strain (INFCS-B)
- Thermocouple (INFCT-B)
- RTD (INFCR-B)
- Thermistor (INFCH)
- Dual T/C & RTD (INFCDT, INFCDR)
- Proportional or On/Off Control TC & RTD (INFCTP, INFCRP)
- pH & ORP (INFCPH, INFCOP, INFCOR)
- Rate/Frequency/Totalizer (INFCTRA)
- True RMS AC Voltage & Current (INFCAC)
- 4-Digits
- NEMA 4 (IP65) Front Bezel
- Peak and Valley Recall
- Analog Output, Option
- Latching/Non-Latching Relays, Option

INFC Series

INFCTRA

INFCPH

INFINITY® Panel Meters/Controllers

- Multiple Input Models
- Process Voltage/Current (INFP)
- Strain (INFS)
- Temperature: T/C & RTD (INFT)
- Weigh/Scale (INFW)
- Universal: Process, Strain, Temperature (INFU)
- Rate/Batch/Total (INF7)
- Timer/Clock (INFPT)
- 6-Digits
- NEMA 4 (IP65) Front Bezel
- Four Isolated Open Collector Outputs
- Isolated Analog Retransmission, Option
- Two or Four Relay, Option
- Serial RS232/RS485, Option

INF Series

DPi1701/N Series Graphic Display Panel Meter and Data Logger

- Universal inputs
- Monochrome, High Resolution Graphic Display
- Records 85,000 Data Points
- Optional Features:
  - 2 Relays, Wireles Router
  - Isolated Analog Output
  - Isolated 24 Vdc Excitation
  - Isolated USB or RS232 Interface

Contact 800-859-1257 or panelmeters@newark.com

SENSING & MEASUREMENT	CONTROL	DATA LOGGING
Temperature: ■ Thermocouple ■ Thermistor ■ RTD ■ Infrared Pressure Weight (Load Cell) Strain Humidity Dewpoint Conductivity Flow pH Salinity AC/DC (Voltage/Current)	PID Controller On/Off (Multi-setpoint)	Local (SD Card) Integrated Charting Software Precalibrated Sensors

SIGNAL PROCESSING
Linearity (0.05%)
Accuracy (0.005%)
Temp Coefficient (20 ppm)
Isolation to 1500 Vac

SIGNAL DISTRIBUTION
Process (0-5V, 0-10V, 4-20mA...)
Serial (RS232/RS485)
Ethernet (IEEE802.3)
Wireless (IEEE802.15.4)
WiFi (IEEE802.11 b/g)

DISPLAY
Multi-color, Multi-size, LED Display
Readability
Alarm/Warning Indication

PRESSURE: Absolute, Barometric, Differential, Gage, & Vacuum

PX309
PX329
PX319
PX709
PX409-USBH

LOAD CELLS: Tension/Compression, Torque and Force

LCKD
LC201
LC101 Series

TEMPERATURE: Thermocouples, RTDs, & Thermistors

5LRTC Series
5SRTC Series
PR-21B
NB2TX93A
TX93A inside
PRS-CB
RTD-860
TJ36

CONNECTOR & PANEL SYSTEMS

DRTB Series
OSTW Series
SMPW Series

Industrial, Process, Laboratory, Sanitary, and General Purpose

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Your Complete Source for Control, Measurement, and Sensing for the following Industries:

Industrial Automation

Food Processing

Oil and Gas

Environmental

...and many more.

PID Controllers, Signal Conditioners, Panel Meters, Temperature Sensors & Pressure

iSeries Temperature, Process and Strain, Humidity
Meters and PID Controllers

- High Quality
- Extended 5-Year Warranty
- Full Autotune PID Control
- Programmable Color Displays
- User Friendly, Simple to Configure
- Limit Alarm Controllers
- Communications via Ethernet, RS232, RS485 or MODBUS®, Optional
- Choice of 2 Control or Alarm Outputs: Analog Voltage and Current, Solid State Relays, Mechanical Relays, dc Pulse

iLD Series
iTH Series
iDR Series
iSeries
i32-AL
i8DH
i16D
iR2P

Temperature and Process   i32, i16, i8, iDR
- High Accuracy ±0.5°C (±0.9°F)
- Universal Inputs: Thermocouple, RTD, Process Voltage/Current
- Built-in Excitation, 24 V
- 4 Popular DIN Sizes and DIN Rail Mounting
- Compact Case Design (i8C)

Process and Strain   iS32, iS16, iS8, iSDR
- High Accuracy ±0.03% Reading
- Universal Inputs: Strain, Process Voltage/Current
- Built-in Excitation, 5 V or 10 V
- 4 Popular DIN Sizes and DIN Rail Mounting
- Compact Case Design (i8C, iS8C)

2-Color Ratio Fiber Optic Infrared Temperature System   iR2C, iR2P
- 300 to 1000°C (572 to 2372°F)
- 600 to 1800°C (1112 to 3272°F)
- 1000 to 3000°C (1832 to 5432°F)
- High Ambient Temperature Lens and Cable Assembly, Optional
- Panel Mount Enclosure, AC Powered (iR2P)
- Cast Aluminum Enclosure, DC Powered (iR2C)

Big Display   iLD24, iLD44
- BIG Bright 2.25" (57 mm) or 4.00" (102 mm) LED
- BIG 7-segment LEDs, 4-Digits
- Temperature and Process Input (-UTP)
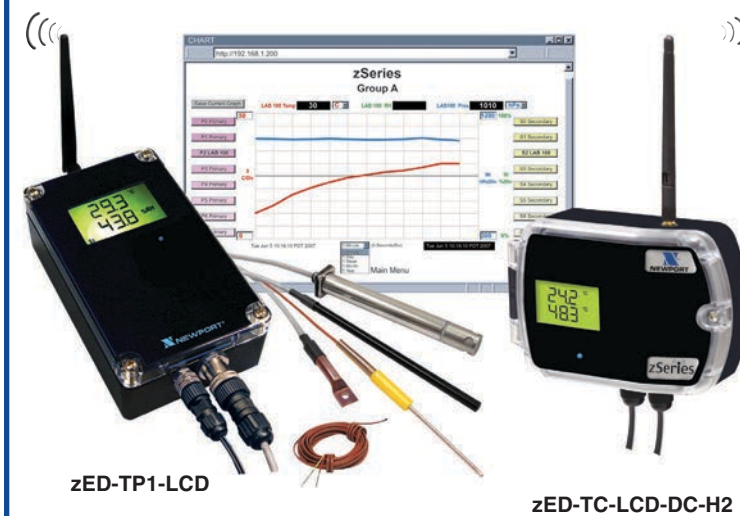- Strain and Process Input (-SP)

Humidity and Temperature   iTH
- Output 1 - Humidity
  Output 2 - Temperature
- High Accuracy ±0.5°C and ±2% RH
- RH/Temperature Probe Included
- 4 Popular DIN Sizes

change color at any set point

RED
AMBER
GREEN

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zSeries
## Wireless Sensor System

zED-TP1-LCD
zED-TC-LCD-DC-H2

High Power Wireless Sensor/Transmitter System   NEW
- Charting Web Server Application
- Alarms by Email or Text Message
- High Power, 1 Kilometer Range
- Rugged NEMA 4 (IP65) Enclosure
- Temperature, Humidity and Barometric Pressure
- DC Power Option for Industrial Applications
- No Special Software Required

zED
zCDR
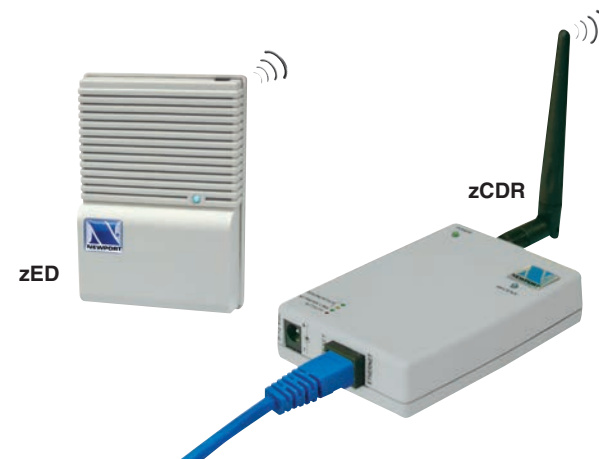
Compact Wireless System
- Web Server
- Temperature
- Humidity
- Barometric Pressure
- Alarms by Email or Text Message
- Compact Enclosures for Indoor Facilities

UWTC-REC Series
UWTC-REC3
UWTC-2
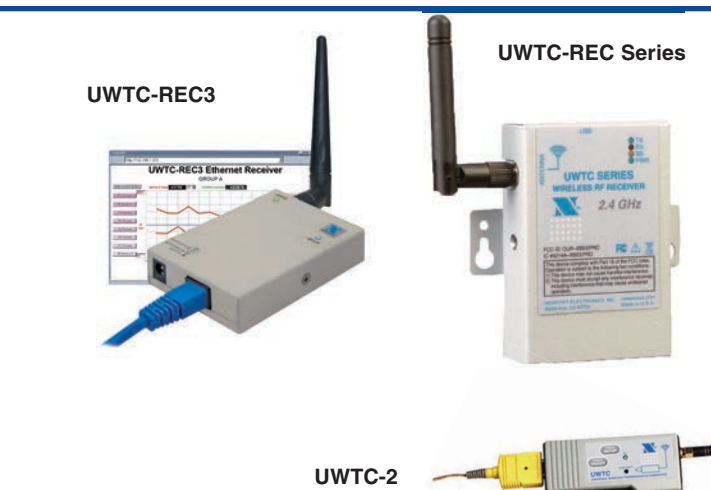
Wireless Receivers
- Monitor Up to 48 Temperature, Ph, Process or Humidity Signals
- USB Interface for Fast Installation – Cable Included!
- Digital Display Available
- Weather Resistant NEMA Enclosure Available

Wireless Transmitter
- Thermocouple-to-Wireless Connector / Convertor
- User Configurable For Type J, K, T, E, R, S, B, C, and N Thermocouple Input
- Free Software Converts Your PC Into a Multi-Channel Chart Recorder or Data Logger
- Patented Design Accepts Both Miniature and Standard Size Probes and Connectors

iDRN/iDRX Series

Programmable Signal Conditioners / Transmitters
- Models Available for: Thermocouple RTD Process Voltage & Current, Strain Frequency Pulse AC Voltage and Current
- Analog or Digital Outputs
- Up to 1800 Vdc Isolation
- iDRN Series Provide 0-10 Vdc, 4-20 mA or 0-20 mA Output
- iDRX Series Provide RS-485 Output
- Free Setup and Configuration Software
- Factory Configuration Available at No Charge
- OPC Server Available for Compatibility with Most Industrial Automation Software

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iServer Virtual Chart Recorders
Monitoring and Recording over the Internet

- Charting Web Server Application
- Data Logging
- No Special Software Required
- Alarms by Email or Text Message
- DIN Rail and Wall Mount Enclosures
- Sensors Included

iSD-TC
iTCX-D
iTCX-W
iSD-TH
iTHX-SD-5D
iTHX-W3
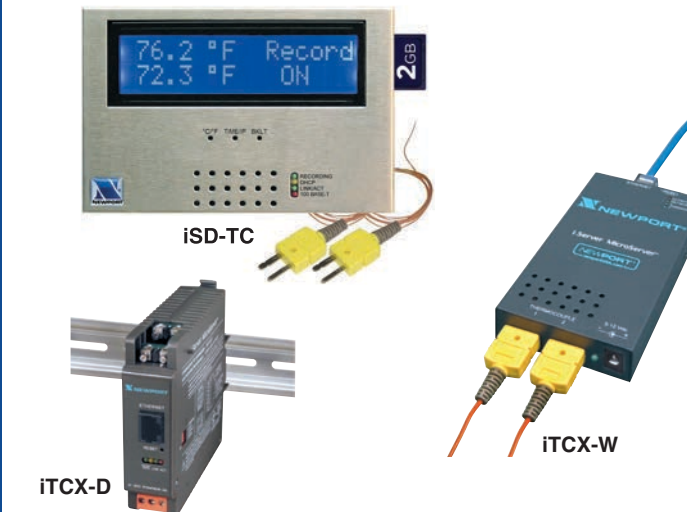
Dual Thermocouple Input
- Accepts 10 Thermocouple Types: J, K, T, E, R, S, B, C, N, L
- Two 1.5A Output Relays (iSD-TC)
- Two Contact Closures (iSD-TC)
- Record Years of Data on SD Cards (iSD-TC)
- DIN Rail Mount (iTCX-D)

### Temperature, RH and Dewpoint
- High Accuracy: ±2% RH; ±0.5°C (iSD-TH)
- Single or Dual Channel Models
- Two 1.5A Output Relays (iSD-TH, iTHX-SD)
- Link to Web CAM or IP Camera (iSD-TH, iTHX-SD)
- Record Years of Data on SD Cards (iSD-TH, iTHX-SD)
- DIN Rail Mount (iTHX-D3)

iBTX-SD
iBTX-W
iPTX-D
iPTX-W
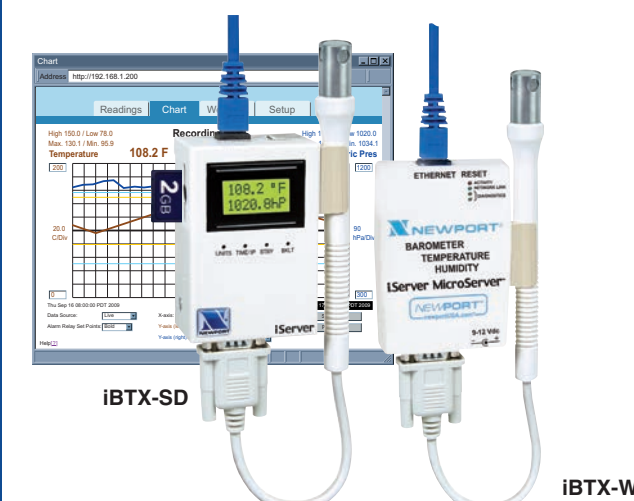
Barometric Pressure and Temperature
- Range: 10 to 1100 mbar, ±2 mbar
- Humidity Optional (iBTHX-W)
- Link to Web CAM or IP Camera (iBTX-SD)
- Record Years of Data on SD Cards (iBTX-SD)
- DIN Rail Mount (iBTX-D, iBTHX-D)
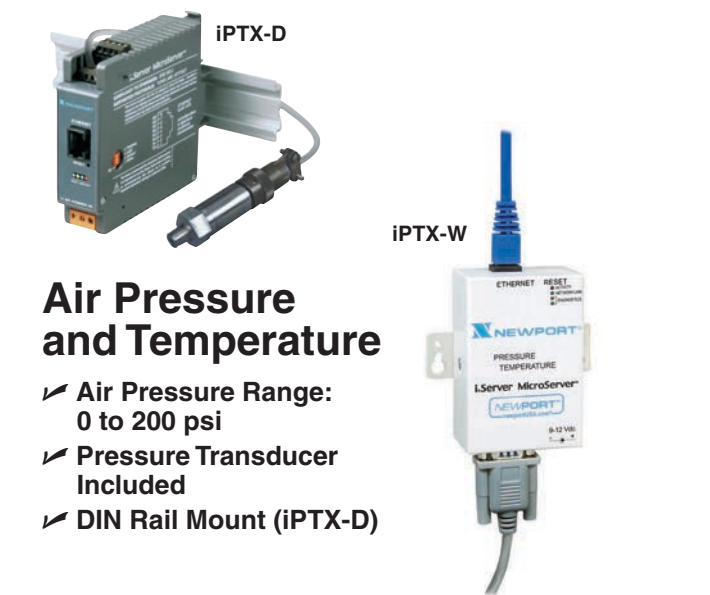
Air Pressure and Temperature
- Air Pressure Range: 0 to 200 psi
- Pressure Transducer Included
- DIN Rail Mount (iPTX-D)