

Laurel Electronics



2013 Customer Price List

Effective 29 November 2012

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Series

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LAUREATE DIGITAL PANEL METERS & COUNTERS

High accuracy, high read rate, digitally programmable meters available for a wide range of industrial signals and with a choice of relay options, analog output options, and serial communication options. Modular design with field installable option boards with calibration stored in EEPROM.

L1, L2, L3, L4	Meters for DC, AC, voltage, current, process, strain gauge, load cell, TC, RTD, ohms.....	3
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LAUREATE DIN RAIL TRANSMITTERS

Transmitters LT2 through LT8 offer high accuracy, high update rate, and a wide choice of digitally programmable functions. Standard features include an isolated 4-20 mA or 0-10V analog output (user selectable), an isolated RS232 or RS485 serial data output (user selectable), the Modbus or Laurel protocol (user selectable), and dual 120 mA solid state relays. Same signal conditioners and setup software as Laureate meters and counters.

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MAGNA SERIES LARGE DIGIT DISPLAYS

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SW	Selector switch for up to 12 different inputs to a DPM or counter	12

HOW TO ORDER

When building a model number, make one entry per bold heading. For example, Laureate model **L20010DCV1, BOX1** is a 200 mV DC voltmeter with plug-in screw terminals, a universal AC power supply, an analog output, and an enclosure which protects the meter to NEMA-4X from all sides.

LAUREATE SERIES DPM

L Laureate Series meter, plug-in screw terminal connectors \$230

Display Color

1 Basic DPM with green LEDs NC
 2 Basic DPM with red LEDs NC
 3 Extended DPM, green LEDs \$30
 4 Extended DPM, red LEDs \$30
 "Extended" adds customer curve linearization and rate from successive readings.

Power

0 85-264 Vac or 95-300 Vdc NC
 1 12-34 Vac or 10-48 Vdc \$30

Relay Output

0 None
 1 Two 8A Form C contact relays \$80
 2 Two 120 mA solid state relays \$55
 3 Four 8A Form C contact relays \$100
 4 Four 120 mA solid state relays \$75

Analog Output

0 None
 1 4-20 mA, 0-10 V, -10 to +10V \$90

Serial Communications

0 None
 1 RS232 \$60
 2 RS485 \$80
 4 Modbus RS485 \$90
 5 USB \$60
 6 USB-to-RS485 converter \$100
 7 Ethernet \$120
 8 Ethernet-to-RS485 converter \$150

Input Type**DC Volts**

DCV1 ± 200.00 mV NC
 DCV2 ± 2.0000 V NC
 DCV3 ± 20.000 V NC
 DCV4 ± 200.00 V NC
 DCV5 ± 600.0 V (range not ETL certified) NC
 DCV6 ± 300.0 V NC

DC Amperes

DCA1 ± 2.0000 mA NC
 DCA2 ± 20.000 mA NC
 DCA3 ± 200.00 mA NC
 DCA4 ± 5.000 A NC

RMS Volts

RMV1 200.00 mV \$40
 RMV2 2.0000 V \$40
 RMV3 20.000 V \$40
 RMV4 200.00 V \$40
 RMV5 600.0 V (not ETL certified) \$40
 RMV6 250.0 \$40

RMS Amperes

RMA1 2.0000 mA \$40
 RMA2 20.000 mA \$40
 RMA3 200.00 mA \$40
 RMA4 5.000 A \$40

Process Signals (4-20 mA, 0-5V, etc.)

P 4-20 mA = 0-100.00 display NC
 P1 Custom scaling \$10

Specify minimum signal & displayed reading, maximum signal & displayed reading. 5, 10 or 24V DC excitation.

Strain Gauges, Potentiometers (4-wire ratio)

SG 0 to 200mV = 0 to 100.00 display NC
 SG1 Custom scaling \$10

Specify minimum signal & displayed reading, maximum signal & displayed reading. 0.2 to 20V. 10 Vdc excitation.

Load Cells (6-wire ratio)

WM1 -99,999 to +99,999 \$65

Specify minimum signal & displayed reading, maximum signal & displayed reading. Full scale input 20 mV to 500 mV. Includes 10 Vdc excitation.

Thermocouples

JC -210 to 760°C NC
 JF -347 to 1400°F NC
 KC -244 to 1372°C NC
 KF -408 to 2501°F NC
 TC -257 to 400°C NC
 TF -430 to 752°F NC
 EC -270 to 1000°C NC
 EF -450 to 1830°F NC
 NC -245 to 1300°C NC
 NF -410 to 2370°F NC
 RC -45 to 1768°C NC
 RF -49 to 3213°F NC
 SC -46 to 1768°C NC
 SF -51 to 3214°F NC

RTD Input (with alpha tempco)

P385C Pt 100 Ω platinum, -202 to 850°C NC
 P385F Pt 100 Ω platinum, -331 to 1562°F NC
 P392C Pt 100 Ω platinum, -202 to 850°C NC
 P392F Pt 100 Ω platinum, -331 to 1562°F NC
 N672C Ni 120 Ω nickel, -100°C to +260°C NC
 N672F Ni 120 Ω nickel, -148°F to +500°F NC
 C427C Cu 10 Ω copper, -100°C to +260°C NC
 C427F Cu 10 Ω copper, -148°F to +500°F NC

Ohms Input

R1 0-20 ohms NC
 R2 0-200 ohms NC
 R3 0-2 kohms NC
 R4 0-20 kohms NC
 R5 0-200 kohms NC
 R6 0-2 Mohms (special, fixed) \$25

Options & Accessories. Please see page 12.

LAUREATE COUNTER / TIMER

L.....Laureate Series multifunction counter / timer / rate meter with dual-channel pulse, process or quadrature input\$240

Display Color

5.....Basic meter, green LEDs.....NC
6.....Basic meter, red LEDs.....NC
7.....Extended meter, green LEDs\$30
8.....Extended meter , red LEDs\$30

Please see notes below for "Extended."

Power

0.....85-264 Vac or 95-300 Vdc.....NC
1.....12-34 Vac or 10-48 Vdc.....\$30

Relay Output

0.....None.....NC
1.....Two 8A Form C contact relays\$80
2.....Two 120 mA solid state relays.....\$55
3.....Four 8A Form A contact relays..... \$100
4.....Four 120 mA solid state relays\$75

Analog Output

0.....None.....NC
1.....Single isolated analog output\$90
2.....Dual isolated analog outputs\$135

Serial Communications

0.....None
1.....RS232\$60
2.....RS485\$80
4.....Modbus RS485\$90
5.....USB\$60
6.....USB-to-RS485 converter.....\$100
7.....Ethernet.....\$120
8.....Ethernet-to-RS485 converter.....\$150

Input Type

Dual Channel Pulse or AC Inputs

FR.....Scalable to 999,999.....NC

Basic counter

Frequency (2 channels simultaneously), rate (2 channels simultaneously), total (up or down, 2 channels simultaneously), period (2 channels simultaneously), stopwatch, time interval, square root of rate.

Extended counter

Above plus rate and total simultaneously, linearized inputs using up to 180 points, arithmetic functions (A*B, A/B, A+B, A-B, A/B-1), phase angle, duty cycle, up/down counting, batch control.

Process Rate & Total

VF1.....4-20 mA.....NC
VF2.....0-1 mA.....NC
VF3.....0-10 V.....NC
VF4.....Custom Scaling Consult factory

Basic counter

Rate, square root of rate (differential pressure or target type flow meters), rate.and total.

Extended counter

Above plus linearized inputs using up to 180 points, batch control with rate, total and # of batches or grand total of all batches, time measurements based on rate.

Quadrature

QD.....scalable to 999,999\$30

Basic counter

Positional or length from encoders. Accepts differential or single-ended inputs. 1x, 2x or 4x plus zero index.

Extended counter

Above plus bidirectional rate. Rate and position or length are not simultaneous.

Options & Accessories. Please see page 12.

SERIAL INPUT METER / REMOTE DISPLAY

L Laureate meter \$180

Display Color5 Remote display with green LEDs NC
6 Remote display with red LEDs NC**Power**0 85-264 Vac or 90-300 Vdc NC
1 12-32 Vac or 10-48 Vdc \$30**Relay Output**0 None
1 Two 8A contact relays \$80
2 Two 120 mA solid state relays \$55
3 Four 8A Form C contact relays \$100
4 Four 120 mA solid state relays \$75**Analog Output**0 None NC
1 Single isolated analog output \$90
2 Dual isolated analog outputs \$135**Serial Communications**1 RS232 \$60
2 RS485 \$80
4 Modbus RS485 \$90
5 USB \$60
6 USB to RS485 converter \$100
7 Ethernet \$120
8 Ethernet-to-RS485 converter \$150**Options & Accessories.** Please see page 12.**LAUREATE SCALE / WEIGHING METER**

LW Laureate scale / weighing meter, plug-in screw terminal connectors \$260

Display Color1 Basic meter with green LEDs NC
2 Basic meter with red LEDs NC**Power**0 85-264 Vac or 95-300 Vdc NC
1 12-32 Vac or 10-48 Vdc \$30**Relay Output**0 None
1 Two 8A Form C contact relays \$80
2 Two 120 mA solid state relays \$55
3 Four 8A Form C contact relays \$100
4 Four 120 mA solid state relays \$75**Analog Output**0 None
1 4-20 mA, 0-20 mA, 0-10V \$90**Serial Communications**0 None
1 RS232 \$60
2 RS485 \$80
5 USB \$60
6 USB-to-RS485 converter \$100
7 Ethernet \$120
8 Ethernet-to-RS485 converter .. \$150**Input Type****DC Volts**DCV1 ± 200.00 mV NC
DCV2 ± 2.0000 V NC
DCV3 ± 20.000 V NC**Process Signals (4-20mA, 0-5V, etc.)**P 4-20 mA = 0-100.00 display NC
P1 Custom scaling \$10

Specify min signal & displayed reading, max signal & displayed reading. Includes 5, 10 or 24 Vdc excitation.

Strain Gauges, Potentiometers (4-wire ratio)SG 0-200 mV = 0-100.00 display NC
SG1 Custom scaling \$10

Specify min signal and reading, max signal & reading. Full scale input 200 mV to 20V. Includes 10 Vdc excitation.

Load Cells (6-wire ratio)

WM1 -99,999 to +99,999 \$65

Specify min signal and displayed reading, max signal and displayed reading. Full scale input 20 mV to 500 mV. Includes 10 Vdc excitation.

Add-on Options & Accessories. Please see page 12.

LAUREATE TRANSMITTERS, ANALOG INPUT

Includes isolated 4-20 mA or 0-10V analog output, isolated serial data output (Modbus or Laurel protocol), isolated dual 120 mA solid state relays, isolated 5, 10 or 24 Vdc excitation output (for DC, AC, process, strain gauge, load cell inputs), and detachable screw clamp connectors.

LT Laureate transmitter \$235

Main Board

2 Standard analog input NC
4 Extended analog input \$40

Extended allows custom curve linearization and rate from successive readings. Not applicable to temperature.

Power

0 85-264 Vac or 95-300 Vdc NC
1 12-32 Vac or 10-48 Vdc \$30

Transmitter Outputs

0 4-20 mA & RS232/RS485 \$0
7 4-20 mA & Ethernet (available Q1 2013) \$50

Input Type

DC Volts

DCV1 ± 200.00 mV NC
DCV2 ± 2.0000 V NC
DCV3 ± 20.000 V NC
DCV4 ± 200.00 V NC
DCV5 ± 600.0 V NC

DC Amperes

DCA1 ± 2.0000 mA NC
DCA2 ± 20.000 mA NC
DCA3 ± 200.00 mA NC
DCA4 ± 5.000 A NC

RMS Volts

RMV1 200.00 mV \$40
RMV2 2.0000 V \$40
RMV3 20.000 V \$40
RMV4 200.00 V \$40
RMV5 600.0 V \$40

RMS Amperes

RMA1 2.0000 mA \$40
RMA2 20.000 mA \$40
RMA3 200.00 mA \$40
RMA4 5.000 A \$40

Process Signals (4-20 mA, 0-5V, etc.)

P 4-20 mA in = 4-20 mA out NC
P1 Custom scaling \$10

Specify min input & output, max input & output.

Strain Gauges, Potentiometers (4-wire ratio)

SG 0-200 mV in = 4-20 mA out NC
SG1 Custom scaling \$10

Specify min input signal & min output, max input signal & max output. Set for 10 Vdc excitation.

Load Cells (6-wire ratio)

WM1 Custom scaling \$65

Specify min input & output, max input & output. Full scale input from 20 mV to 500 mV. Set for 10 Vdc excitation.

Thermocouples

JC -210 to 760°C NC
JF -347 to 1400°F NC
KC -244 to 1372°C NC
KF -408 to 2501°F NC
NC -245 to 1300°C NC
NF -410 to 2370°F NC
TC -257 to 400°C NC
TF -430 to 752°F NC
EC -270 to 1000°C NC
EF -450 to 1830°F NC
RC -45 to 1768°C NC
RF -49 to 3213°F NC
SC -46 to 1768°C NC
SF -51 to 3214°F NC

RTD Input (with alpha tempco)

P385C Pt 100 Ω platinum, -202 to 850°C NC
P385F Pt 100 Ω platinum, -331 to 1562°F NC
P392C Pt 100 Ω platinum, -202 to 850°C NC
P392F Pt 100 Ω platinum, -331 to 1562°F NC
N672C Ni 120 Ω nickel, -100°C to +260°C NC
N672F Ni 120 Ω nickel, -148°F to +500°F NC
C427C Cu 10 Ω copper, -100°C to +260°C NC
C427F Cu 10 Ω copper, -148°F to +500°F NC

Ohms Input

R1 0-20 ohms NC
R2 0-200 ohms NC
R3 0-2 kohms NC
R4 0-20 kohms NC
R5 0-200 kohms NC

Add-on Options & Accessories. Please see page 12.

LAUREATE TRANSMITTERS, PULSE INPUT

Includes isolated 4-20 mA or 0-10V analog output, isolated serial data output (Modbus or Laurel protocol), isolated dual 120 mA solid state relays, isolated 5, 10 or 24 Vdc excitation output, and detachable screw clamp connectors.

LT Laureate transmitter \$235

Main Board

6 Standard pulse input NC
8 Extended (see notes below) \$40

Power

0 85-264 Vac or 95-300 Vdc NC
1 12-34 Vac or 10-48 Vdc \$30

Transmitter Outputs

0 4-20 mA & RS232/RS485 \$0
7 4-20 mA & Ethernet (available Q1 2013) \$50

Input Type

Dual Channel Pulse or AC Inputs

FR Dual pulse or AC inputs NC

Standard main board

Frequency (2 channels simultaneously), rate (2 channels simultaneously), total (up or down, 2 channels simultaneously), period (2 channels simultaneously), stopwatch, time interval, square root of rate.

Extended main board

Above plus rate and total simultaneously, linearized inputs using up to 180 points, ratio, draw, arithmetic functions (A*B, A/B, A+B, A-B), phase angle, duty cycle, up/down counting, batch control.

Process Input with Totalizing

VF1 4-20 mA NC
VF2 0-1 mA NC
VF3 0-10 V NC
VF4 Custom Scaling Consult factory

Standard main board

Rate, rate & total simultaneously (analog totalizer), square root of rate (for differential pressure flow meters).

Extended main board

Above plus linearized inputs using up to 180 points, batch control with rate, total and # of batches or grand total of all batches, time measurements based on rate.

Quadrature

QD Quadrature inputs \$30

Standard main board

Position or length from encoders. Accepts differential or single-ended inputs: 1x, 2x or 4x, plus zero index.

Extended main board

Above plus bidirectional rate (rate and position or length are not simultaneous).

Accessories. Please see page 12.

LAUREATE TRANSMITTER, SERIAL DATA INPUT

Converts serial data input (Modbus or Laurel protocol) into an isolated 4-20 mA or 0-10V analog output. Includes dual 120 mA solid state relays and detachable screw clamp connectors.

LTS6 Laureate serial input transmitter \$175

Power

0 85-264 Vac or 95 to 300 Vdc NC
1 12-32 Vac or 10-48V dc \$30

Serial Data Input

0 RS232/RS485 \$0
7 Ethernet (available Q1 2013) \$50

Add-on Options & Accessories. Please see page 12.

CBL04 Cable, transmitter to DB9 on PC \$19
CBL02 USB to DB9 adapter \$39

REPLACEMENT MODULES FOR LAUREATE METERS AND TRANSMITTERS

Main Assemblies for Laureate Meters and Counters

Includes computer board, display board, 1/8 DIN case.

LMBG	Basic DPM, green LED	\$115
LMBR	Basic DPM, red LED	\$115
LWBG	Scale meter, green LED.....	\$145
LWBR	Scale meter, red LED.....	\$145
LCBG	Basic counter, green LED	\$125
LCBR	Basic counter, red LED.....	\$125
LCEG	Extended counter, green LED.....	\$155
LCER	Extended counter, red LED.....	\$155

Components for Main Assemblies

LMBX	DPM computer board.....	\$63
LCBX	Counter basic computer board.....	\$67
LCEX	Counter extended computer board	\$97
LWBX	Scale meter computer board.....	\$93
LMXG	DPM green LED display board	\$40
LMXR	DPM red LED display board	\$40
LCXG	Counter / scale green LED board	\$46
LCXR	Counter / scale red LED board	\$46
LCASE	Laureate case, 1/8 DIN.....	\$12

Power Supply Boards (with connector)

LPS1	85-264 Vac or 95-300 Vdc.....	\$55
LPS2	12-32 Vac or 10-48 Vdc.....	\$85

Relay Output Boards (with connectors)

LDMR	Dual 8A Form C relays.....	\$80
LDSR	Dual solid state relays.....	\$55
LQMR	Quad 8A Form C relays	\$100
LQSR	Quad solid state relays	\$75

Isolated Analog Output Boards (with connector)

LAO	Single isolated analog output.....	\$90
LDAO	Dual isolated analog output	\$135

Serial Communication Boards

L232	RS232, single RJ11 connector	\$60
L485	Modbus RS485, dual RJ11	\$80
LMOD	Modbus RS485, dual RJ45	\$90
LUSB	USB	\$60
LUSB485	USB-to-RS485 converter	\$100
LNET	Ethernet	\$120
LNET485	Ethernet to RS485 converter	\$150

DPM Signal Conditioner Boards (with connectors)

LSCDC	DC for basic DPM	\$60
LSCDCE	DC extended DPM.....	\$90
LSCRMS	True RMS for basic DPM	\$100
LSCRMSE	True RMS extended DPM.....	\$130
LSCLC	Load cell for basic DPM.....	\$125
LSCLCE	Load cell for extended DPM.....	\$150
LSCTC	Thermocouple.....	\$60
LSCRTD	RTD and ohms.....	\$60

Counter / Timer Signal Cond. Boards (with connectors)

LSCDF	Dual channel pulse input	\$60
LSCAF	Analog input (V-to-F)	\$60
LSCQD	Quadrature input.....	\$90

Main Assemblies for Laureate LT Series Transmitters

Includes main board, isolated analog output, isolated serial output, dual relays, and DIN Rail case with connectors

LT200	Basic main assembly, analog input, 85-264 Vac power, 4-20 mA, RS232/RS485.....	\$175
LT210	Basic main assembly, analog input, 10-48 Vdc power, 4-20 mA, RS232/RS485	\$205
LT600	Basic main assembly, pulse input, 85-264 Vac power, 4-20 mA, RS232/RS485	\$175
LT610	Basic main assembly, pulse input, 10-48 Vdc power, 4-20 mA, RS232/RS485	\$205
LT800	Extended main assembly, pulse input, 85-264 Vac power, 4-20 mA, RS232/RS485.....	\$215
LT810	Extended main assembly, pulse input, 10-48 Vdc power, 4-20 mA, RS232/RS485.....	\$245
LT207	Basic main assembly, analog input, 85-264 Vac power, 4-20 mA, Ethernet	\$225
LT217	Basic main assembly, analog input, 10-48 Vdc power, 4-20 mA, Ethernet	\$255
LT607	Basic main assembly, pulse input, 85-264 Vac power, 4-20 mA, Ethernet	\$225
LT617	Basic main assembly, pulse input, 10-48 Vdc power, 4-20 mA, Ethernet	\$255
LT807	Extended main assembly, pulse input, 85-264 Vac power, 4-20 mA, Ethernet	\$265
LT817	Extended main assembly, pulse input, 10-48 Vdc power, 4-20 mA, Ethernet	\$295

Notes 1: **LT20** & **LT21** main assemblies require an analog input (or DPM) signal conditioner board.
LT60, LT61, LT80 & LT81 main assemblies require a pulse input (or counter) signal conditioner board.

LTS60 & LTS61 serial-to-analog converters do not require a signal conditioner board.

Note 2: Before ordering a replacement module, inform your seller of the revision level affixed to the square microcomputer chip of your meter or transmitter. New modules may not be compatible with old microcomputer boards, which may need to be replaced. New microcomputer boards are backward compatible with older modules.

MAGNA SERIES 2-INCH DISPLAYS

M2 Display with 2" (57 mm) digits \$540

Display Brightness0 Normal indoor brightness NC
1 Daylight viewing brightness \$250**Power**0 95-265 Vac NC
1 11-30 Vdc \$90**Setpoint Output**0 None NC
1 2 5A @ 250Vac relays (6 digit) \$110
2 4 5A @ 250Vac relays (6 digit) \$150
3 2 5A @ 250Vac relays (4 digit) \$200
4 4 5A @ 250Vac relays (4 digit) \$240**Analog Output**0 None NC
1 4-20mA \$90
2 0-10V \$90
3 -10 to 10V \$150**Digital Interface**0 None NC
1 RS232 \$80
2 RS485 \$115**Mounting Options**1 Black case, panel mount \$85
2 Black case, wall mount NC
3 Black case, suspension mount NC**Input Type****Serial ASCII Input, RS232 or RS485**SER24 RS232, 4 digits \$85
SER26 RS232, 6 digits \$385
SER28 RS232, 8 digits \$485
SER44 RS485, 4 digits \$120
SER46 RS485, 6 digits \$420**Temperature**

TEMP4 TC and RTD, 4 digits \$275

Clock/TimerCLK4 4 digits, HH:MM, MM:SS \$135
CLK6 6 digits, HH:MM:SS \$450**Process Signals (4 to 20mA, 0 to 5V, etc.)**P4 4 digits, 4-20mA \$100
P6 6 digits, 4-20mA \$400**Strain Gauges**WM4 4 digits, 0-20 mV \$125
WM6 6 digits, 0-20 mV \$425**Frequency, Rate, Total, Quadrature**FR4 4 digit display \$120
FR6 6 digit display \$420**MAGNA SERIES 4-INCH DISPLAYS**

M4 Display with 4" (102 mm) digits \$825

Display Brightness0 Normal indoor brightness NC
1 Daylight viewing brightness \$250**Power**0 95-265 Vac NC
1 11-30 Vdc \$90**Setpoint Output**0 None NC
1 Two 5A@250Vac relays \$110
2 Four 5A @ 250Vac relays \$150**Analog Output**0 None NC
1 4-20mA \$90
2 0-10V \$90
3 -10 to 10V \$150**Digital Interface**0 None NC
1 RS232 \$80
2 RS485 \$115**Mounting Options**1 Black case, panel mount \$85
2 Black case, wall mount NC
3 Black case, suspension mount NC**Input Type****Serial ASCII Input, RS232 or RS485**SER24 RS232, 4 digits \$85
SER26 RS232, 6 digits \$485
SER28 RS232, 8 digits \$605
SER44 RS485, 4 digits \$120
SER46 RS485, 6 digits \$520**Temperature**

TEMP4 TC and RTD, 4 digits \$275

Clock/TimerCLK4 4 digits, HH:MM, MM:SS \$135
CLK6 6 digits, HH:MM:SS \$550**Process Signals (4 to 20mA, 0 to 5V, etc.)**P4 4 digits, 4-20mA \$100
P6 6 digits, 4-20mA \$500**Strain Gauges**WM4 4 digits, 0-20 mV \$125
WM6 6 digits, 0-20 mV \$525**Frequency, Rate, Total, Quadrature**FR4 4 digit display \$120
FR6 6 digit display \$520

MAGNA SERIES 6-INCH DISPLAYS

M6 Display with 6" (144 mm) digits \$1420

Display Brightness0 Normal indoor brightness NC
1 Daylight viewing brightness \$250**Power**0 95-265 Vac NC
1 11-30 Vdc \$90**Setpoint Output**0 None NC
1 Two 5A@250Vac relays \$110
2 Four 5A @ 250Vac relays \$150**Analog Output**0 None NC
1 4-20mA \$90
2 0-10V \$90
3 -10 to 10V \$150**Digital Interface**0 None NC
1 RS232 \$80
2 RS485 \$115**Mounting Options**1 Black case, panel mount \$85
2 Black case, wall mount NC
3 Black case, suspension mount NC**Input Type****Serial ASCII Input, RS232 or RS485**SER24 RS232, 4 digits \$85
SER26 RS232, 6 digits \$270
SER44 RS485, 4 digits \$120
SER46 RS485, 6 digits \$305**Temperature**

TEMP4 TC and RTD, 4 digits \$275

Clock/TimerCLK4 4 digits, HH:MM, MM:SS \$150
CLK6 6 digits, HH:MM:SS \$335**Process Signals (4 to 20mA, 0 to 5V, etc.)**P4 4 digits, 4-20mA \$100
P6 6 digits, 4-20mA \$285**Strain Gauges**WM4 4 digits, 0-20 mV \$125
WM6 6 digits, 0-20 mV \$310**Frequency, Rate, Total, Quadrature**FR4 4 digit display \$120
FR6 6 digit display \$300**MAGNA SERIES 8-INCH DISPLAYS**

M8 Display with 8" (200 mm) digits \$1725

Display Brightness0 Normal indoor brightness NC
1 Daylight viewing brightness \$250**Power**0 95-265 Vac NC
1 11-30 Vdc \$90**Setpoint Output**0 None NC
1 Two 5A@250Vac relays \$110
2 Four 5A @ 250Vac relays \$150**Analog Output**0 None NC
1 4-20mA \$90
2 0-10V \$90
3 -10 to 10V \$150**Digital Interface**0 None NC
1 RS232 \$80
2 RS485 \$115**Mounting Options**1 Black case, panel mount \$85
2 Black case, wall mount NC
3 Black case, suspension mount NC**Input Type****Serial ASCII Input, RS232 or RS485**SER24 RS232, 4 digits \$85
SER26 RS232, 6 digits \$285
SER44 RS485, 4 digits \$120
SER46 RS485, 6 digits \$320**Temperature**

TEMP4 TC and RTD, 4 digits \$275

Clock/TimerCLK4 4 digits, HH:MM, MM:SS \$170
CLK6 6 digits, HH:MM:SS \$370**Process Signals (4 to 20mA, 0 to 5V, etc.)**P4 4 digits, 4-20mA \$100
P6 6 digits, 4-20mA \$300**Strain Gauges**WM4 4 digits, 0-20 mV \$125
WM6 6 digits, 0-20 mV \$330**Frequency, Rate, Total, Quadrature**FR4 4 digit display \$120
FR6 6 digit display \$320

BAR SERIES 1/8 DIN BARGRAPH METER

BARBAR series 30-segment bargraph display, 1/8 DIN housing\$325

Display Color

1Bargraph with green LED\$15
2Bargraph with red LEDNC

Power

095 to 265 VacNC
111 to 30 Vdc\$45

Setpoint Output

0NoneNC
1Two 5A relays\$45

Format

0VerticalNC
1HorizontalNC

Input Type**Process Signals (4-20 mA, 0-5V, etc.)**

P4 to 20 mA = 0 to 100%NC
P1Custom scaling\$15
Specify minimum signal & displayed reading, maximum signal & displayed reading. 15 Vdc excitation.

PRO-BAR LARGE BARGRAPH METER

PBLarge bargraph, 50-segment display, 11.3" x 2.8" (288 x 72 mm) case\$875

Display Color

2Bargraph with red LEDNC

Power

095-265 VacNC
111-30 Vdc\$80

Format

0VerticalNC
1HorizontalNC

Mounting Options

0PanelNC
1WallNC
2SuspensionNC

Input Type**Process Signals (4-0mA, 0-5V, etc.)**

P4-20 mA = 0-10000 displayNC
P1Custom scaling\$15
Specify minimum signal & displayed reading, maximum signal & displayed reading. Includes 24 Vdc excitation.

JUNIOR SERIES DPM

JRJUNIOR low-cost 3-1/2 digit indicator with plug-in screw terminal connectors\$155

Display Color

1DPM with green LEDNC
2DPM with red LEDNC

Power

0110 VacNC
1230 VacNC
224 Vac\$45
348 Vac\$45
45 Vdc\$60
511 to 30 Vdc\$80

Digit Options

0NoneNC
1Extra fixed zero to ± 19990 \$45

Connector Options

0NoneNC
1Decimal point selection\$15
2Variable brightness adjustment\$40

Input Type**DC Volts**

DCV1200.0 mVNC
DCV22.000 VNC
DCV320.00 VNC
DCV4200.0 VNC
DCV5500 VNC

DC Amperes

DCA12.000 mANC
DCA220.00 mANC
DCA3200.0 mANC
DCA42.000 ANC
DCA55.00 ANC

Process Signals (4-20mA, 0-5V, etc.)

P4-20 mA = 0-1000 display\$20
P1Custom scaling\$35
Specify minimum signal & displayed reading, maximum signal & displayed reading. 10 or 24 Vdc excitation.

AC Volts (Average)

ACV1200.0 mV\$35
ACV22.000 V\$35
ACV320.00 V\$35
ACV4200.0 V\$35
ACV5500 V\$35

AC Amperes (Average)

ACA12.000 mA\$35
ACA220.00 mA\$35
ACA3200.0 mA\$35
ACA42.000 A\$35
ACA55.00 A\$35

ETHERNET TO RS485 CONVERTER

Interfaces the Ethernet to up to 31 Laureate meters or transmitters on an RS485 bus.

- LTNET485-1Converter, 85-264Vac\$150
- LTNET485-2Converter, 10-48Vdc\$180

QUADRUPLE OUTPUT LOOP SPLITTER

Splits one 4-20 mA, 1-5V, 0-5V or 0-10V input into four 4-20mA loops with a common ground or different grounds

- QLS-1.....Loop splitter, 85-264 Vac.....\$200
- QLS-2.....Loop splitter, 10-48 Vdc.....\$230

88-PRO LOOP POWERED METER

- 88 PRO88-PRO loop powered meter, 3.5 digit LCD display with two selectable dummy zeros, plug-in screw terminal connectors.....\$175

M35 MICROMINATURE METER

- M353.5 digit microminiature meter in a 1.9" x 0.95" (48 x 24 mm) case. Process input (4-20 mA, etc), isolated 10-30 Vdc power\$200

ROTARY SIGNAL SELECTOR SWITCH

- SW3P12T3-pole, 12-throw switch.....\$195

ACCESSORIES

LAUREATE LENS OPTIONS

- NL Button pads, no Laurel logo\$5
- BL No button pads, no Laurel logoNC

LAUREATE SERIAL CABLES

- CBL01.....RJ11-to-DB9 cable. Connects meter to PC com port.....\$19
- CBL02.....USB-to-DB9 adapter cable. Connects CBL01 to PC USB port.....\$39
- CBL04.....RS232 cable. Connects transmitter to PC com port.....\$19
- CBL05.....USB cable. Connects meter to PC USB port.\$15

PROTECTION FOR 1/8 DIN METERS

- IPC Front panel cover, seals front of meter case to NEMA 4X\$40
- BOX1Wall mount polycarbonate enclosure sealed to NEMA 4X\$140
- BOX2Wall mount polycarbonate enclosure sealed to NEMA 4X, plus IPC cover\$180