

Laurel Electronics



2013 Customer Price List

Laurel Electronics, Inc.

3183-G Airway Ave., Costa Mesa, CA 92626-4611 USA

Phone: (714) 434-6131 Fax: (714) 434-3766 E-mail: sales@laurels.com Website: www.laurels.com

Rev 9 September 2013

CONTENTS

Series

Page

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
L5, L6, L7, L8	Counters for frequency, rate, total, time, batch, quadrature, draw, ratio, analog total	4
LW	Scale meter for weighing applications. Net and gross weight, tare, count-by, auto zero	5
L5, L6	Serial input meter and remote display. Offers dual relays and analog output.....	5

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.

LT2 & LT4	Transmitters, analog input, 4-20 mA and serial data outputs, dual relays.....	6
LT6 & LT8	Transmitters, pulse inputs, 4-20 mA and serial data outputs, dual relays	7
LTS6	Serial data input, 4-20 mA analog output, dual relays (serial-to-analog converter)	7
QLS	Quad loop splitter. Splits one 4-20 mA or 0-10V input into four 4-20 mA current loops.....	11
LTNET485	Interfaces Ethernet to up to 31 Laureate meters and transmitters on an RS485 bus.	11

MAGNA SERIES LARGE DIGIT DISPLAYS

Digit heights from 2" to 8". Serial, process, strain gauge, TC, or RTD inputs. Also available as a clock, timer, totalizer, or frequency/rate meter.

MAGNA 2"	2-inch large-digit displays, NEMA 4X.....	8
MAGNA 4"	4-inch large-digit displays, NEMA 4X.....	8
MAGNA 6"	6-inch large-digit displays, NEMA 4X.....	9
MAGNA 8"	8-inch large digit displays, NEMA 4X.....	9

OTHER DIGITAL & BAR GRAPH METERS

BAR	Bar graph display, 30 LED elements, horizontal or vertical mount, 1/8 DIN.....	10
PRO-BAR	Large bar graph display, 251 mm (10") scale length, 50 LED elements	10
JUNIOR	Low cost indicators, screwdriver adjustable, 3.5 digits, 1/8 DIN.....	10
88PRO	Loop-powered process meter, 4-20 mA or 10-50 mA, 3.5 digits, 1/8 DIN.....	11
M35	Micro-miniature, 24 x 48 mm, process inputs, isolated 10-30 Vdc power	11

METER ACCESSORIES

NL & BL	Laureate meter lens options without logo or button pads	11
CBL	Computer interface cables for Laureate meters, counters and transmitters.....	11
IPC, BOX	Environmental enclosures and splash-proof cover for 1/8 DIN case.....	11

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. Not applicable to temperature.

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 ETL certified to ± 300 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 (range ETL certified to 300 V) \$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 \$60

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 11.

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

Position 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 11.

SERIAL INPUT METER / REMOTE DISPLAY

L Laureate meter\$180

Display Color

5 Remote display with green LEDsNC
6 Remote display with red LEDsNC

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 11.

LAUREATE SCALE / WEIGHING METER

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

Display Color

1 Basic meter with green LEDsNC
2 Basic meter with red LEDsNC

Power

0 85-264 Vac or 95-300 VdcNC
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 mVNC
DCV2 ± 2.0000 VNC
DCV3 ± 20.000 VNC

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

P 4-20 mA = 0-100.00 displayNC
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 displayNC
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\$60

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 11.

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 4-20 mA & RS232/RS485 \$235

LTE 4-20 mA & Ethernet \$295

LTE is a new product available in May 2013.

Main Board

2 Standard analog input NC

4 Extended analog input \$40

"Extended" adds 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

2 Power over Ethernet (for LTE only) \$30

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 ETL certified to ± 300 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 (range ETL certified to 300V) \$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 \$60

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 11.

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 4-20 mA & RS232/RS485\$235
LTE 4-20 mA & Ethernet\$295

LTE is a new product available in May 2013.

Main Board

6 Standard pulse inputNC
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
2 Power over Ethernet (for LTE only)\$30

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 mANC
VF2 0-1 mANC
VF3 0-10 VNC
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 11.

LAUREATE TRANSMITTER, SERIAL DATA INPUT

Converts a 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 RS232/RS485 in, 4-20 mA out\$175
LTSE6 Ethernet in, 4-20 mA out\$235

LTSE6 is a new product available in May 2013.

Power

0 85-264 Vac or 95 to 300 Vdc.....NC
1 12-32 Vac or 10-48V dc\$30
2 Power over Ethernet (for LTSE6 only).....\$30

Add-on Options & Accessories. Please see page 11.

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

MAGNA SERIES 2-INCH DISPLAYS

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

Display Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness\$250

Power

0 95-265 VacNC
1 11-30 Vdc\$90

Setpoint Output

0 NoneNC
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 NoneNC
1 4-20mA\$90
2 0-10V\$90
3 -10 to 10V\$150

Digital Interface

0 NoneNC
1 RS232\$80
2 RS485\$115

Mounting Options

1 Black case, panel mount\$85
2 Black case, wall mountNC
3 Black case, suspension mountNC

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/Timer

CLK4 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 Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness\$250

Power

0 95-265 VacNC
1 11-30 Vdc\$90

Setpoint Output

0 NoneNC
1 Two 5A@250Vac relays\$110
2 Four 5A @ 250Vac relays\$150

Analog Output

0 NoneNC
1 4-20mA\$90
2 0-10V\$90
3 -10 to 10V\$150

Digital Interface

0 NoneNC
1 RS232\$80
2 RS485\$115

Mounting Options

1 Black case, panel mount\$85
2 Black case, wall mountNC
3 Black case, suspension mountNC

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/Timer

CLK4 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 orders are non-cancelable, non-returnable.

MAGNA SERIES 6-INCH DISPLAYS

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

Display Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness\$250

Power

0 95-265 VacNC
1 11-30 Vdc\$90

Setpoint Output

0 NoneNC
1 Two 5A@250Vac relays\$110
2 Four 5A @ 250Vac relays\$150

Analog Output

0 NoneNC
1 4-20mA\$90
2 0-10V\$90
3 -10 to 10V\$150

Digital Interface

0 NoneNC
1 RS232\$80
2 RS485\$115

Mounting Options

1 Black case, panel mount\$85
2 Black case, wall mountNC
3 Black case, suspension mountNC

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/Timer

CLK4 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 orders are non-cancelable, non-returnable.

MAGNA SERIES 8-INCH DISPLAYS

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

Display Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness\$250

Power

0 95-265 VacNC
1 11-30 Vdc\$90

Setpoint Output

0 NoneNC
1 Two 5A@250Vac relays\$110
2 Four 5A @ 250Vac relays\$150

Analog Output

0 NoneNC
1 4-20mA\$90
2 0-10V\$90
3 -10 to 10V\$150

Digital Interface

0 NoneNC
1 RS232\$80
2 RS485\$115

Mounting Options

1 Black case, panel mount\$85
2 Black case, wall mountNC
3 Black case, suspension mountNC

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/Timer

CLK4 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

MAGNA orders are non-cancelable, non-returnable.

BAR SERIES 1/8 DIN BARGRAPH METER

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

Display Color

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

Power

0 95 to 265 Vac NC
1 11 to 30 Vdc \$45

Setpoint Output

0 None NC
1 Two 5A relays \$45

Format

0 Vertical NC
1 Horizontal NC

Input Type

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

P 4 to 20 mA = 0 to 100% NC
P1 Custom scaling \$15
Specify minimum signal & displayed reading, maximum signal & displayed reading. 15 Vdc excitation.

PRO-BAR LARGE BARGRAPH METER

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

Display Color

2 Bargraph with red LED NC

Power

0 95-265 Vac NC
1 11-30 Vdc \$80

Format

0 Vertical NC
1 Horizontal NC

Mounting Options

0 Panel NC
1 Wall NC

Input Type

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

P 4-20 mA = 0-10000 display NC
P1 Custom scaling \$15
Specify minimum signal & displayed reading, maximum signal & displayed reading. Includes 24 Vdc excitation.

JUNIOR SERIES DPM

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

Display Color

1 DPM with green LED NC
2 DPM with red LED NC

Power

0 110 Vac NC
1 230 Vac NC
2 24 Vac \$45
3 48 Vac \$45
4 5 Vdc \$60
5 11 to 30 Vdc \$80

Digit Options

0 None NC
1 Extra fixed zero to ± 19990 \$45

Connector Options

0 None NC
1 Decimal point selection \$15
2 Variable brightness adjustment \$40

Input Type

DC Volts

DCV1 200.0 mV NC
DCV2 2.000 V NC
DCV3 20.00 V NC
DCV4 200.0 V NC
DCV5 500 V NC

DC Amperes

DCA1 2.000 mA NC
DCA2 20.00 mA NC
DCA3 200.0 mA NC
DCA4 2.000 A NC
DCA5 5.00 A NC

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

P 4-20 mA = 0-1000 display \$20
P1 Custom scaling \$35
Specify minimum signal & displayed reading, maximum signal & displayed reading. 10 or 24 Vdc excitation.

AC Volts (Average)

ACV1 200.0 mV \$35
ACV2 2.000 V \$35
ACV3 20.00 V \$35
ACV4 200.0 V \$35
ACV5 500 V \$35

AC Amperes (Average)

ACA1 2.000 mA \$35
ACA2 20.00 mA \$35
ACA3 200.0 mA \$35
ACA4 2.000 A \$35
ACA5 5.00 A \$35

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 microminature 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

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

ACCESSORIES

LAUREATE LENS OPTIONS

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

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
BOX1 Wall mount polycarbonate enclosure sealed to NEMA 4X\$140
BOX2 Wall mount polycarbonate enclosure sealed to NEMA 4X, plus IPC cover\$180