

Laurel Electronics



Customer Price List with Laureate Transmitters

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LAUREATE METER SERIES

High accuracy, high read rate, programmable digital indicators / controllers / computer interfaces for a wide variety of analog and digital inputs. Modular design, field installable options.

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LAUREATE TRANSMITTER SERIES

High accuracy, high update rate, digitally programmable transmitters. Available in 4-20 mA / 0-10V or Modbus versions, with relays, with same signal conditioners and programmable functions as Laureate meters, counters and timers.

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GRAND SERIES LARGE DIGIT DISPLAYS

Grand series of large digit displays, digit heights from 2" to 8". Serial, process, strain gauge inputs. Also available as a clock, timer, totalizer, or frequency/rate meter.

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ACCESSORIES

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HOW TO ORDER

When building a model number, make one entry per boxed heading. For example, Laureate model **L20010DCV1, IPC** is a 200 mV DC voltmeter with plug-in screw terminals, high voltage AC/DC power supply, and analog output, plus a NEMA-4 / IP67 splash-proof cover. Accessories are separated by commas.

LAUREATE SERIES DIGITAL PANEL METERS

Configure a model number like **L20000DCV1, IPC**

L.....Laureate series meter with detachable screw clamp plug connectors\$220

Display Color

1.....DPM with green LED display.....NC
2.....DPM with red LED display.....NC
3.....Extended DPM, green LED display\$40
4.....Extended DPM, red LED display\$40
Extended does not apply to temperature.

Power

0.....85-264 Vac universal AC powerNC
1.....Low voltage 12-32 Vac or 10-48 Vdc\$30

Setpoint Output

0.....None.....NC
1.....Two 8A, Form C, contact relays\$80
2.....Two 130 mA, Form A, solid state relays\$55
3.....Four 8A, Form C, contact relays.....\$100
4.....Four 130 mA, Form A, solid state relays\$75

Analog Output

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

Digital Interface

0.....None.....NC
1.....RS232\$60
2.....RS485\$80
4.....Modbus RS485 (ASCII, RTU).....\$90
5.....USB\$60
6.....USB-to-RS485 converter.....\$100

Input Type

DC Volts

DCV1.....± 200.00 mVNC
DCV2.....± 2.0000 VNC
DCV3.....± 20.000 VNC
DCV4.....± 200.00 VNC
DCV5.....± 600.0 V (range not UL certified)NC
DCV6.....± 300.0 VNC

DC Amperes

DCA1± 2.0000 mANC
DCA2± 20.000 mANC
DCA3± 200.00 mANC
DCA4± 5.000 ANC

RMS Volts

RMV1200.00 mV\$35
RMV22.0000 V\$35
RMV320.000 V\$35
RMV4200.00 V\$35
RMV5600.0 V (range not UL certified)\$35
RMV6250.0 V\$35

RMS Amperes

RMA12.0000 mA\$35
RMA220.000 mA\$35
RMA3200.00 mA\$35
RMA45.000 A\$35

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

P.....4-20 mA = 0-100.00 displayNC
P1.....Custom scaling.....\$10

Specify minimum signal & displayed reading, maximum signal & displayed reading. Includes isolated excitation.

Strain Gauges, Potentiometers (4-wire ratio)

SG.....0-200 mV = 0-100.00 displayNC
SG1.....Custom scaling.....\$10

Specify minimum signal & displayed reading, maximum signal & displayed reading. Full scale inputs from 200 mV to 20V. Includes isolated 10 Vdc excitation to power up to four 350Ω load cells in parallel.

Load Cells (6-wire ratio)

WM1.....-99,999 to +99,999\$55

Specify minimum signal & displayed reading, maximum signal & displayed reading. Full scale inputs from 20 mV to 500 mV. Includes isolated 10 Vdc excitation to power up to four 350Ω load cells in parallel.

Thermocouple Input

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

RTD Input (alpha tempco stated in ordering code)

P385CPt 100 Ω platinum, -202 to 850°C.....NC
P385FPt 100 Ω platinum, -331 to 1562°FNC
P392CPt 100 Ω platinum, -202 to 850°C.....NC
P392FPt 100 Ω platinum, -331 to 1562°FNC
N672CNi 120 Ω nickel, -100°C to +260°CNC
N672FNi 120 Ω nickel, -148°F to +500°FNC
C427CCu 10 Ω copper, -100°C to +260°CNC
C427FCu 10 Ω copper, -148°F to +500°FNC

Ohms Input

R10-20 ohmsNC
R20-200 ohmsNC
R30-2 kohmsNC
R40-20 kohmsNC
R50-200 kohmsNC
R60-2 Mohms (factory-special fixed range)\$25

Meter Add-On Options & Accessories

BL	Blank lens, no button pads	NC
CBL01	RJ11-to-DB9 cable for RS232	\$19
CBL02	USB-to-DB9 (can be used with CBL01)	\$39
CBL05	USB cable, Type A to B.....	\$15
IPC	NEMA-4, IP67 splashproof cover	\$40
BOX1	NEMA-4, IP67 enclosure.....	\$140
BOX2	NEMA-4 enclosure plus IPC.....	\$180

LAUREATE SERIES COUNTER / TIMERS

Configure a model number in this format:

L60000FR, IPC

L	Laureate series multifunction counter / timer / rate meter with detachable screw clamp plug connectors.....	\$230
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Display Color

5	Basic counter with green LED display	NC
6	Basic counter with red LED display	NC
7	Extended counter with green LED display... ..	\$40
8	Extended counter with red LED display.....	\$40

Power

0	85-264 Vac universal AC power	NC
1	Low voltage 12-32 Vac or 10-48 Vdc	\$30

Setpoint Output

0	None.....	NC
1	Two 8A, Form C, contact relays	\$80
2	Two 130 mA, Form A, solid state relays	\$55
3	Four 8A, Form C, contact relays.....	\$100
4	Four 130 mA, Form A, solid state relays	\$75

Analog Output

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

Digital Interface

0	None.....	NC
1	RS232	\$60
2	RS485	\$80
4	Modbus RS485 (ASCII, RTU).....	\$90
5	USB	\$60
6	USB-to-RS485 converter.....	\$100

Input Type**Dual Channel Pulse or AC Inputs**

FR	scalable to 999,999	NC
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Basic counter

FR	scalable to 999,999	NC
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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	0-10V.....	NC
VF4	Custom Scaling	Consult factory

Standard main board

Rate, rate & total simultaneously (analog totalizer), square root of rate (for differential pressure or target type 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	scalable to 999,999	\$30
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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).

Meter Add-On Options & Accessories

BL	Blank lens, no button pads	NC
CBL01	RJ11-to-DB9 cable for RS232.....	\$19
CBL02	USB-to-DB9 (can be used with CBL01)	\$39
CBL05	USB cable, Type A to B.....	\$15
IPC	NEMA-4, IP67 splashproof cover	\$40
BOX1	NEMA-4, IP67 enclosure.....	\$140
BOX2	NEMA-4 enclosure plus IPC.....	\$180

LAUREATE SERIAL INPUT METER / 6-DIGIT REMOTE DISPLAY

Configure a model number in this format: **L50001, IPC**

L Laureate meter with detachable with detachable screw clamp plug connectors \$170

Display Color

5 Remote display with green LEDs NC
6 Remote display with red LEDs NC

Power

0 85-264 Vac universal AC power NC
1 Low voltage 12-32 Vac or 10-48 Vdc \$30

Setpoint Output

0 None NC
1 Two 8A Form C relays contact relays \$80
2 Two 130 mA Form A solid state relays \$55
3 Four 8A Form C relays contact relays \$100
4 Four 130 mA Form A solid state relays \$75

Analog Output

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

Digital Interface (one required)

1 RS232 \$60
2 RS485 \$80
4 Modbus RS485 (ASCII, RTU) \$90
5 USB \$60
6 USB-to-RS485 converter \$100

Meter Add-On Options & Accessories

BL Blank lens, no button pads NC
CBL01 RJ11-to-DB9 cable for RS232 \$19
CBL02 USB-to-DB9 (can be used with CBL01) \$39
CBL05 USB cable, Type A to B \$15
IPC NEMA-4, IP67 splashproof cover \$40
BOX1 NEMA-4, IP67 enclosure \$140
BOX2 NEMA-4 enclosure plus IPC \$180

LAUREATE SCALE / WEIGHING METER

Configure a model number in this format: **LW20001, IPC**

LW Laureate scale meter with detachable screw clamp plug connectors \$250

Display Color

1 Meter with green LED display NC
2 Meter with red LED display NC
3 Extended meter, green LED display \$40
4 Extended meter, red LED display \$40

Power

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

Setpoint Output

0 None NC
1 Two 8A, Form C relays \$80
2 Two 130 mA, Form A solid state relays \$55

Analog Output

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

Digital Interface

0 None NC
1 RS232 \$60
2 RS485 \$80
5 USB \$60
6 USB-to-RS485 converter \$100

Input Type

Process Signals (4-20mA, 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 0-200 mV = 0-100.00 display NC
SG1 Custom scaling \$10

Specify min input signal & min output, max input signal & max output. Full scale input 200 mV to 20V. Includes isolated 10 Vdc excitation up to power up to four 350-ohm load cells in parallel.

Load Cells (6-wire ratio)

WM1 -99,999 to +99,999 \$55

Specify min input signal & min output, max input signal & max output. Full scale inputs from 20 mV to 500 mV. Includes isolated 10 Vdc excitation up to power up to four 350-ohm load cells in parallel.

Meter Add-On Options & Accessories

BL Blank lens, no button pads NC
CBL01 RJ11 to DB9 cable for RS232 \$19
CBL02 USB to DB9 (can be used with CBL01) \$39
CBL05 USB cable, Type A to B \$15
IPC NEMA-4, IP67 splashproof cover \$40
BOX1 NEMA-4, IP67 enclosure \$140
BOX2 NEMA-4 enclosure plus IPC \$180

LAUREATE LTA TRANSMITTERS, 4-20 MA OR 0-10V OUTPUT, "DPM" SERIES ANALOG INPUT

Configure a model number in this format: **LTA200DCV1, CBL04**

Includes detachable screw clamp plug connectors, RS232 or RS485 port for programming, and isolated 5, 10 or 24V DC excitation. Jumpered for 10V excitation and RS232.

LTA.....Laureate DPM transmitter with 4-20 mA or 0-10V isolated analog output (selectable at connector).....\$235

Main Board

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

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

Power

0.....85-264 Vac.....NC
1.....Low voltage 12-32 Vac or 10-48 Vdc.....\$30

Setpoint Output

0.....None.....NC
2.....Two 130 mA, Form A, solid state relays.....NC

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.....\$35
RMV2.....2.0000 V.....\$35
RMV3.....20.000 V.....\$35
RMV4.....200.00 V.....\$35
RMV5.....600.0 V.....\$35

RMS Amperes

RMA1.....2.0000 mA.....\$35
RMA2.....20.000 mA.....\$35
RMA3.....200.00 mA.....\$35
RMA4.....5.000 A.....\$35

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 signal & min output, max signal & max 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. Full scale inputs from 200 mV to 20V.

Load Cells (6-wire ratio)

WM1.....Custom scaling.....\$55
 Specify minimum signal & output, maximum signal & output. Full scale input from 20 mV to 500 mV.

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 (alpha tempco stated in ordering code)

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

Transmitter Accessories

CBL04.....RS-232 serial cable from transmitter to DB9 connector of computer or USB adapter.....\$19
CBL02.....USB-to-DB9 adapter cable. Connects PC com port to CBL04.....\$39

LAUREATE LTA TRANSMITTER, 4-20 MA OR 0-10V OUTPUT, "CTR" SERIES PULSE INPUT

Includes detachable screw clamp plug connectors, RS232 or RS485 port for programming, and isolated 5, 10 or 24V DC excitation output. Jumpered for 10V excitation and RS232.

LTA.....Laureate transmitter with 4-20 mA or 0-10V isolated analog output (selectable)..... \$235

Main Board

6.....Standard pulse inputNC
8.....Extended (see notes below)\$40

Power

0.....85-264 Vac universal AC power.....NC
1.....Low voltage 12-32 Vac or 10-48 Vdc\$30

Setpoint Output

0.....None.....NC
2.....Two 130 mA, Form A, solid state relays.....NC

Input Type

Dual Channel Pulse or AC Inputs

FR..... Output scalable to 4-20 mA or 0-10VNC

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 inputNC
VF2.....0-1 mA inputNC
VF3.....0-10 V inputNC
VF4.....Custom input Consult factory

Standard main board

Rate, rate & total simultaneously (analog totalizer), square root of rate (for differential pressure or target type 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..... Output scalable to 4-20 mA or 0-10V \$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).

Transmitter Accessories

CBL04.....RS232 serial cable from transmitter to DB9 connector of computer or USB adapter \$19
CBL02.....USB-to-DB9 adapter cable. Connects PC USB port to CBL04 \$39

LAUREATE LTS6 SERIAL-TO-ANALOG CONVERTER. 4-20 MA OR 0-10V TRANSMITTER OUTPUT, SERIAL DATA INPUT

LTS6..... Laureate serial data input transmitter, Modbus or Laurel ASCII serial input, and 4-20 mA, 0-20 mA or 0-10V analog output \$175

Power

0..... 85-264 Vac universal AC power.....NC
1..... Low voltage 12-32 Vac or 10-48 Vdc \$30

Setpoint Output

0..... None.....NC
2..... Two 130 mA, Form A, solid state relays.....NC

Accessories

CBL04.....RS-232 serial cable from transmitter to DB9 connector of computer or USB adapter \$19
CBL02.....USB-to-DB9 adapter cable. Connects PC com port to CBL04 \$39

TRIPLE-OUTPUT 4-20 MA LOOP SPLITTER. SPLITS ONE 4-20 MA LOOP INTO THREE LOOPS

TLSA-1 Loop splitter, 95-265 Vac power..... \$255
TLSA-2 Loop splitter, 11-30 Vdc power..... \$280

LAUREATE LTM TRANSMITTERS, SERIAL OUTPUT, "DPM" SERIES ANALOG INPUT

Includes detachable screw clamp plug connectors, RS232 or RS485 port, and isolated 5, 10 or 24V DC excitation output. Jumpered for 10V excitation and RS485.

LTMLaureate transmitter, Modbus or Laurel protocol (selectable)\$235

Main Board

2 Standard.....NC
4 Extended (not applicable to temperature) ...\$40

Power

0 85-264 Vac universal AC powerNC
1 Low voltage 12-30 Vac or 10-48 Vdc\$30

Setpoint Output

0 None.....NC
2 Two 130 mA, Form A, solid state relays.....NC

Scalable Analog Output

0 None.....NC
1 4-20 mA, 0-10 VNC

Input Type

DC Volts

DCV1 ± 200.00 mVNC
DCV2 ± 2.0000 VNC
DCV3 ± 20.000 VNC
DCV4 ± 200.00 VNC
DCV5 ± 600.0 VNC

DC Amperes

DCA1 ± 2.0000 mANC
DCA2 ± 20.000 mANC
DCA3 ± 200.00 mANC
DCA4 ± 5.000 ANC

RMS Volts

RMV1 200.00 mV\$35
RMV2 2.0000 V\$35
RMV3 20.000 V\$35
RMV4 200.00 V\$35
RMV5 600.0 V\$35

RMS Amperes*

RMA1 2.0000 mA\$35
RMA2 20.000 mA\$35
RMA3 200.00 mA\$35
RMA4 5.000 A\$35

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

P..... 4-20 mA in = 0-100.00 out.....NC
P1..... Custom scaling..... \$10
 Specify min signal & min output, max input signal & max output.

Strain Gauges, Potentiometers (4-wire ratio)

SG..... 0-200 mV = 4-20 mA or 0-100.00 out.....NC
SG1..... Custom scaling..... \$10
 Specify min input signal & min output, max input signal & max output. Full scale inputs from 200 mV to 20V. Includes isolated 10 Vdc excitation to power up to four 350-ohm load cells in parallel.

Load Cells (6-wire ratio)

WM1..... Custom scaling..... \$55
 Specify minimum signal & output, maximum signal & output. Full scale input from 20 mV to 500 mV.

Thermocouples

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

RTD Input (alpha tempco stated in ordering code)

P385C Pt 100 Ω platinum, -202 to 850°C.....NC
P385F Pt 100 Ω platinum, -331 to 1562°FNC
P392C Pt 100 Ω platinum, -202 to 850°C.....NC
P392F Pt 100 Ω platinum, -331 to 1562°FNC
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°CNC
C427F Cu 10 Ω copper, -148°F to +500°F.....NC

Ohms Input

R1 0-20 ohmsNC
R2 0-200 ohmsNC
R3 0-2 kohmsNC
R4 0-20 kohmsNC
R5 0-200 kohmsNC

Transmitter Accessories

CBL04..... RS-232 serial cable from transmitter to DB9 connector of computer or USB adapter \$19
CBL02..... USB-to-DB9 adapter cable. Connects PC com port to CBL04..... \$39

LAUREATE LTM TRANSMITTERS, SERIAL OUTPUT TRANSMITTERS, "CTR" SERIES PULSE INPUT

Includes detachable screw clamp plug connectors, RS232 or RS485, and isolated 5, 10 or 24V DC excitation output. Jumpered for 10V excitation and RS485.

LTMLaureate transmitter, Modbus or Laurel protocol (selectable)\$235

Main Board

6Standard.....NC
8Extended\$40

Power

085-264 Vac universal AC powerNC
1Low voltage 12-32 Vac or 10-48 Vdc\$30

Setpoint Output

0None.....NC
2Two 130 mA, Form A, solid state relays.....NC

Scalable Analog Output

0None.....NC
14-20 mA, 0-10 VNC

Input Type

Dual Channel Pulse or AC Inputs

FR Output scalable -999999 to 999999NC

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 input.....NC
VF2.....0-1 mA input.....NC
VF3.....0-10 V input.....NC
VF4.....Custom input Consult factory

Standard main board

Rate, rate & total simultaneously (analog totalizer), square root of rate (for differential pressure or target type 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 Output scalable -999999 to +999999\$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

CBL04.....RS232 serial cable from transmitter to DB9 connector of computer or USB adapter \$19
CBL02.....USB-to-DB9 adapter cable. Connects PC USB port to CBL04 \$39

GRAND SERIES 2-INCH DISPLAYS

G02 Display with 2 inch (57 mm) high digits ... \$1040

Display Brightness

0 Normal indoor brightness NC
1 Daylight viewing brightness \$130

Power

0 95 to 265 Vac NC
1 11 to 30 Vdc \$120

RS422 / Setpoint Output

0 None NC
1 Two 2A relays \$110
2 RS-422 output \$110

Mounting Options

0 Black case panel mount \$90
1 White case panel mount \$90
2 Black case wall mount NC
3 White case wall mount NC
4 Black case suspension mount NC
5 White case suspension mount NC
6 Black weather cowl, 4 & 5 digits \$230
7 Black weather cowl, 6 & 7 digits \$310

Input Type

Serial ASCII Input

SER5 5 digits NC
SER7 7 digits \$125

Clock

CLK4 4 digits, HH:MM \$40
CLK6 6 digits, HH:MM:SS \$155

Timer

TIM4 4 digits, HH:MM \$70
TIM6 6 digits, HH:MM:SS \$190

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

P 5 digits, 4-20mA \$110
P1 5 digits, custom scaling \$135
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Strain Gauges

SG 5 digits, 0-20 mV = 0-10000 display \$125
SG1 5 digits, custom scaling \$150
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Totalizer

TOT5 5 digit display \$125
TOT7 7 digit display \$245

Frequency, Rate

FR 5 digit display \$125

Options

GRP Remote programmer \$145

GRAND SERIES 4-INCH DISPLAYS

G04 Display with 4" (102 mm) high digits \$1500

Display Brightness

0 Normal indoor brightness NC
1 Daylight viewing brightness \$130

Power

0 95 to 265 Vac NC
1 11 to 30 Vdc \$120

RS422 / Setpoint Output

0 None NC
1 Two 2A relays \$110
2 RS422 output \$110

Mounting Options

0 Black case panel mount \$90
1 White case panel mount \$90
2 Black case wall mount NC
3 White case wall mount NC
4 Black case suspension mount NC
5 White case suspension mount NC
6 Black weather cowl, 4 & 5 digits \$310
7 Black weather cowl, 6 & 7 digits \$360

Input Type

Serial ASCII Input

SER5 5 digits NC
SER7 7 digits \$180

Clock

CLK4 4 digits, HH:MM \$40
CLK6 6 digits, HH:MM:SS \$215

Timer

TIM4 4 digits, HH:MM \$70
TIM6 6 digits, HH:MM:SS \$245

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

P 5 digits, 4-20 mA \$110
P1 5-digits, custom scaling \$135
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Strain Gauges

SG 5 digits, 0-20 mV \$125
SG1 5 digits, custom scaling \$145
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Totalizer

TOT5 5 digits \$125
TOT7 7 digit display \$300

Frequency, Rate

FR 5 digit display \$125

Options

GRP Remote programmer \$145

GRAND SERIES 6-INCH DISPLAYS

G06 Display with 6 inch (144mm) high digits ..\$1735

Display Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness.....\$130

Power

0 95 to 265 VacNC
1 11 to 30 Vdc\$120

RS422 / Setpoint Output

0 None.....NC
1 Two 2A relays.....\$110
2 RS422 output\$110

Mounting Options

0 Black case panel mount\$90
1 White case panel mount.....\$90
2 Black case wall mount.....NC
3 White case wall mountNC
4 Black case suspension mount.....NC
5 White case suspension mount.....NC
6 Black weather cowl, 4 & 5 digits\$360
7 Black weather cowl, 6 & 7 digits\$415

Input Type

Serial ASCII Input

SER5 5 digitsNC
SER7 7 digits\$245

Clock

CLK4 4 digits, HH:MM.....\$40
CLK6 6 digits, HH:MM:SS\$275

Timer

TIM4 4 digits, HH:MM.....\$70
TIM6 6 digits, HH:MM:SS\$275

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

P 5 digits, 4-20mA\$110
P1 5 digits, custom scaling\$135
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Strain Gauges

SG 5 digits, 0 to 20mV.....\$125
SG1 5 digit, custom scaling\$150
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Totalizer

TOT5 5 digits\$125
TOT7 7 digits\$350

Frequency, Rate

FR 5 digits\$125

Options

GRP Remote programmer\$145

GRAND SERIES 8-INCH DISPLAYS

G08 Display with 8" (200 mm) high digits \$2275

Display Brightness

0 Normal indoor brightnessNC
1 Daylight viewing brightness.....\$130

Power

0 95 to 265 VacNC
1 11 to 30 Vdc\$120

RS422 / Setpoint Output

0 None.....NC
1 Two 2A relays\$110
2 RS422 output\$110

Mounting Options

0 Black case panel mount\$90
1 White case panel mount.....\$90
2 Black case wall mount.....NC
3 White case wall mountNC
4 Black case suspension mount.....NC
5 White case suspension mountNC
6 Black weather cowl, 4 & 5 digits\$415
7 Black weather cowl, 6 & 7 digits\$465

Input Type

Serial ASCII Input

SER5 5 digit displayNC
SER7 7 digit display\$520

Clock

CLK4 4 digit display, HH:MM\$40
CLK6 6 digit display, HH:MM:SS.....\$540

Timer

TIM4 4 digit display, HH:MM\$70
TIM6 6 digit display, HH:MM:SS.....\$590

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

P 5 digit, 4 to 20 mA\$110
P1 5 digit, custom scaling\$135
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Strain Gauges

SG 5 digit, 0 to 20 mV\$125
SG1 5 digit, custom scaling\$150
 Specify minimum signal & displayed reading, maximum signal & displayed reading.

Totalizer

TOT5 5 digit display\$125
TOT7 7 digit display\$640

Frequency, Rate

FR 5 digit display\$125

Options

GRP Remote programmer\$145

BAR SERIES 1/8 DIN BARGRAPH DISPLAY

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
2Two 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. 15V DC excitation.

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

PRO-BAR LARGE BARGRAPH DISPLAY

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

Display Color

2Bargraph with red LED NC

Power

095 to 265 VacNC
111 to 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 display NC
P1Custom scaling \$15
 Specify minimum signal & displayed reading, maximum signal & displayed reading. 24V DC excitation.

M35 MICROMINATURE PANEL 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

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 for display 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 (4-20 mA, 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

ACCESSORIES

Enclosures for 1/8 DIN Cases

IPC.....Front panel cover, seals the 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

Selector Switches

SW3P12T. 3-pole, 12-throw selector switch.....\$195

Serial Cables for Laureate Meters & Transmitters

CBL01.....RJ11-to-DB9 cable. Connects meter to PC com port.....\$19
CBL02.....USB to DB9 adapter cable. Connects CBL01 or CBL04 to PC USB port.....\$39
CBL04.....RS232 cable, 3-pin connector on transmitter end, DB9 connector on computer end. Connects transmitter to PC com port.....\$19
CBL05.....USB cable, Type A to B. Connects meter to PC com port.....\$15