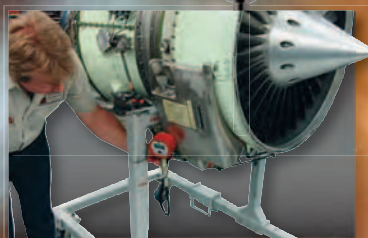


# Cecomp Pressure and Temperature



*American Owned  
American Engineered  
American Built  
American Pride*



**Cecomp  
Electronics**

Div. of Absolute Process Instruments, Inc.

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## Battery Powered Gauges

- **±0.25% Accuracy, 316L SS Sensor**
- **Proven Stability and Reliability**
- **Models with Selectable Units, Memory**
- **Digi-Max with Min/Max, Zero**

### Ranges

See range table for available engineering units  
Vacuum to 5000 psi, absolute, bipolar, compound  
ARM760: 760 Torr absolute

### Accuracy

Includes linearity, hysteresis, repeatability  
Standard: ±0.25% of full scale ±1 least significant digit  
Optional: HA ±0.1% FS ±1 LSD (most ranges)

### Display

ARM760, DPG1000, F4 ranges to 1999  
3 readings per second nominal display update rate  
3.5 digit LCD, 0.5" H digits

DPG1000, F4 ranges 2000-up, F16, F20, F22  
3 readings per second nominal display update rate  
4 digit LCD, 0.5" H, 0.25" H alphanumeric lower display

BL: Red LED display backlight

### Controls and Calibration

ARM760, DPG1000, F4 ranges to 1999  
Front button turns gauge on or off  
Front-accessible calibration potentiometers  
Non-interactive zero and span, ±10% range

DPG1000, F4 ranges 2000-up, F16

Front button turns gauge on or off, zeroes gauge  
Internal calibration buttons (pass code protected)  
Non-interactive zero, linearity, and span, ±10% range

F20, F22

3 button keypad turns gauge on or off, zero, pass code  
protected setup and calibration

Non-interactive zero, linearity, and span, ±10% range

### Auto Shutoff

DPG1000, F4 ranges to 1999

Factory set to 5, 10, 30 minutes, or on/off

DPG1000, F4 ranges 2000-up

Factory set to any number of minutes or hours

F16, F20, F22

User settable to any number of minutes or hours

### Batteries and Battery Life

Two AA alkaline

B ranges up to 1999: Approx. 2500 hours

B ranges 2000-up: Approx. 2000 hours

BBL ranges up to 1999: Approx. 180 hours

BBL ranges 2000-up: Approx. 150 to 1500 hours

Low battery symbol on display

### Housings

Standard: 3.38" W x 2.88" H x 1.65" D

Epoxy powder coated aluminum case, ABS/  
polycarbonate bezel, front and rear gaskets

NEMA 4X: 3.5" W x 3.0" H x 2.0" D

UV stabilized ABS/polycarbonate case, polycarbonate  
window, rear gasket

Add approximately 0.75" to height for pressure fitting

- **Portable and Rugged Test Gauge**
- **Auto Racing Tire Pressure**
- **Leak Down Testing**
- **ARM Replaces Mercury Manometers**

### Connection and Material

¼" NPT male, 316L SS wetted parts

### Overpressure and Burst

3000 psig range and metric equivalents: 5000 psig

5000 psig range and metric equivalents: 7500 psig

All others 2 times normal sensor pressure rating

Burst: 4 times sensor pressure rating, or 10,000 psi,  
whichever is less

### Operating Temperature

-4 to 185°F (-20 to 85°C)

### Compensated Temperature

32 to 158°F (0 to 70°C)



Racing Tire Pressure

Info Quick Link  
[cecomp.com/bat](http://cecomp.com/bat)



ARM760B



DPG1000B



F16B



F16BN, NEMA 4X



F20B



F22B with RB Rubber Boot

### To Order

**Model Series**  
See table below

**Range**  
See range table

**Auto Shutoff Time**  
Default for F16, F20, F22

**Options**  
See options list

Model	Ranges	NEMA	Backlight	Keypad	Zero	Calibration	Units	Memory	Shutoff	
ARM760B	760 Torr absolute			1 button on/off	Front zero pot.	Front zero, span pots.	Factory set	none	Factory set to 5 minutes	
ARM760BBL			Red LED							
DPG1000B	Vacuum to 5000 psi, absolute, compound, ± bipolar	4X		1 button on/off	Front zero pot.	Front zero, span pots.	Factory set	none	-5 5 min., factory set	
DPG1000BBL			Red LED						-10 10 min., factory set	
F4B										-30 30 min., factory set
F4BBL			Red LED							-ON on/off, factory set
F16B	Vacuum to 5000 psi, absolute, compound, ± bipolar	4X		1 button on/off, zero, cycle through min/max	Hold button at startup	Internal buttons	Internal button select	Min/max user configurable	Internal button select to desired minutes or hours or continuous on	
F16BBL			Red LED							
F16BN										
F16BNBL			Red LED							
F20B	Vacuum to 5000 psi, absolute, compound, ± bipolar	4X		3 button on/off, zero/clear, ▼, ▲	Keypad zero button	Keypad with pass code	Keypad select	-M4 4 max readings -M8 8 max readings	Keypad select to desired minutes or hours or continuous on	
F20BBL			Red LED							
F20BN										
F20BNBL			Red LED							
F22B	Vacuum to 5000 psi, absolute, compound, ± bipolar	4X		3 button on/off, zero/clear, ▼, ▲	Keypad zero button	Keypad with pass code	Keypad select	Min/max user configurable	Keypad select to desired minutes or hours or continuous on	
F22BBL			Red LED							
F22BN										
F22BNBL			Red LED							

# Intrinsically Safe Battery Powered Gauges

- ❑ Class I, Division 1, Groups A, B, C, D
- ❑ All Metal Housing
- ❑ Digi-Max® with Min/Max, Zero
- ❑ ±0.25% Accuracy, 316L SS Sensor

## Agency Approval

Factory Mutual Approved  
Intrinsically Safe for Class I, Division 1,  
Groups, A, B, C, D Hazardous Locations

## Ranges and Resolution

See range table for ranges and engineering units.  
Fixed resolution. Bipolar, compound, and 4-digit ranges  
require D4 model.

Standard: Range, resolution, and units are factory set  
Select any 3.5 digit (up to 1999) range.

D4: Select default range and engineering units.  
Units may be changed to any equal to the sensor range.

## Display

Standard: 3.5 digit LCD, 0.5" H

D4: 4 digit LCD, 0.5" H, 0.25" H alphanumeric lower

BL: Red LED display backlight

3 readings per second nominal display update rate

## Accuracy

Includes linearity, hysteresis, repeatability

Standard: ±0.25% of full scale ±1 least significant digit

Optional: HA ±0.1% FS ±1 LSD (most ranges)

## Functions and Calibration

Standard

Front button turns gauge on or off

Top-accessible calibration potentiometers

Non-interactive zero and span, ±10% of range

D4 without memory

Front button turns gauge on or off, press and hold for

zero at startup, display/clear min/max

Internal buttons for set up and calibration

Non-interactive zero and span, ±10% range

Internal lockout switch to disable setup, calibration and  
for customer's calibration seal.

D4 with M4, M6 or M8 (3-button keypad)

Center button turns gauge on or off

Zero/clear button to zero display or clear memory

Memory button to store readings

Keypad for units selection, shutoff time, and calibration

Non-interactive zero, span, linearity, ±10% range

Internal lockout switch to disable setup, calibration, and  
for customer's calibration seal.

## M4, M6, M8 Memory

M4: Store 4 max readings, can be labelled as MEM 1  
through MEM 4, or LF, RF, RR, LR

M6: Store 6 max readings, can be labelled as MEM 1  
through MEM 6, or as 6 wheel aircraft tire designations  
NLG 1, NLG 2, MLG 1, MLG 2, MLG 3, MLG 4

M8: Store 8 max readings, MEM 1 through MEM 8

- Portable and Rugged Test Gauge
- Natural Gas Pipeline Pressures
- Aircraft Tire Pressure
- NEC Hazardous Areas



## Batteries and Battery Life

Two AAA alkaline

See table below for battery life

Low battery symbol on display when batteries must be  
replaced

## Auto Shutoff

Standard: Factory set to 5, 10, 30 minutes, or on/off

D4: User settable 1 minute to 8 hours or on/off

## Housing

Epoxy powder coated aluminum case and bezel, rubber  
front and rear gaskets

3.38" W x 2.88" H x 1.65" D

Add approximately 0.75" to height for pressure fitting

10 ounces (approx. weight)

## Connection and Material

1/4" NPT male fitting

316L SS wetted parts

## Overpressure and Burst

3000 psig range and metric equivalents: 5000 psig

5000 psig range and metric equivalents: 7500 psig

All others 2 times normal sensor pressure rating

Burst: 4 times sensor pressure rating, or 10,000 psi,  
whichever is less

Vacuum: Absolute sensors, gauge reference 15, 100,  
200 psi sensors only

## Operating Temperature

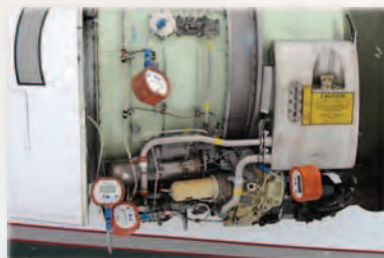
Standard: -40 to 185°F (-40 to 85°C)

D4: -4 to 185°F (-20 to 85°C)

## Compensated Temperature

32 to 158°F (0 to 70°C)

Info Quick Link  
[cecomp.com/is](http://cecomp.com/is)



Turbine Engine Gear Case Leak Down Testing



Aircraft Strut Check



DPG2000B



DPG2000B\_\_\_D4



DPG2000B\_\_\_D4-Mx

To Order				
Model Series	Range	Display-Memory	Auto Shutoff Time	Options

Model	Ranges	Keypad	Display	Backlight	Bat. Hrs.	Temp.	Calibration	Units	Memory	Auto Shutoff	
DPG2000B	Vacuum to 1999 psi, absolute	1 button on/off	3.5 digit LCD, 0.5" H.	none	1000	-40°F (-40°C) min.	Top Zero, Span pots.	Factory set	none	-5 5 min. factory set	
DPG2000BBL				Red LED hold button to activate	150-1000					-10 10 min. factory set	
DPG2000B___D4	Vacuum to 5000 psi, absolute, compound, ± bipolar	1 button on/off/ zero	D4: 4 digit LCD, 0.5" H + 5 character lower display	none	1000	-4°F (-20°C) min.	Internal but- tons; lockout sw., zero, span, linearity	Internal button select	Min/max	Internal button select for minutes, hours, or on/off	
DPG2000BBL___D4				Red LED, 1 min., w. light sensor	150-750						
DPG2000B___D4-M4	Vacuum to 5000 psi, absolute, compound, ± bipolar	3 button on/off, zero/ clear, memory ▼, ▲	D4: 4 digit LCD, 0.5" H + 5 character lower display	none	1000	-4°F (-20°C) min.	Keypad + pass code with internal lockout switch, zero, span, linearity	Keypad select	M4 4 max readings	Keypad select to desired minutes or hours, or on/off	
DPG2000BBL___D4-M4				Red LED, 1 min., w. light sensor	150-750						
DPG2000B___D4-M6				none	1000						
DPG2000BBL___D4-M6				Red LED, 1 min., w. light sensor	150-750						
DPG2000B___D4-M8				none	1000						
DPG2000BBL___D4-M8				Red LED, 1 min., w. light sensor	150-750						



## Low Voltage Powered Gauges

- ❑ Ideal for Permanent Installations
- ❑ 8-24 VAC or 9-32 VDC Input Power
- ❑ Digi-Max® with Min/Max, Zero
- ❑ ±0.25% Accuracy, 316L SS Sensor

- Plant Compressed Air Pressure
- Pneumatic Machinery Monitoring
- ARM Replaces Mercury Manometers
- Monitor Vacuum Pumps

### Ranges

See range table for available engineering units

DPG1000, F4: Vacuum to 5000 psi, absolute, bipolar, compound

ARM760: 760 torr absolute

F16: Selectable engineering units via internal buttons

### Accuracy

Includes linearity, hysteresis, repeatability

Standard: ±0.25% of full scale ±1 least significant digit

Optional: HA ±0.1% FS ±1 LSD (most ranges)

### Display

DPG1000, F4 ranges to 1999, ARM760

3 readings per second nominal display update rate  
3.5 digit LCD, 0.5" H digits

DPG1000, F4 ranges 2000-up, all F16

3 readings per second nominal display update rate  
4 digit LCD, 0.5" H, 0.25" H alphanumeric lower display

BL: Red LED display backlight on when gauge is on

### Controls and Calibration

DPG1000, F4 ranges to 1999, ARM760

Front on/off button

Front zero and span potentiometers, ±10% range

DPG1000, F4 ranges 2000-up

Front on/off button, zeroes display at power-up

Internal calibration buttons, zero, mid, span, ±10% range

F16

Front button for zero at power-up, min/max functions

Internal calibration buttons, zero, mid, span, ±10% range

### Power

AD: 8-24 VAC or 9-32 VDC, approx. 5 mA

ADBL: 8-24 VAC or 9-32 VDC, approx. 80 mA

ARM760: 115 VAC/12 VDC plug-in power supply included, 5 ft cable

2-wire, 3 ft long, 22 AWG cable

All models are designed for continuous operation

Gauges are reverse polarity protected

### Housings

Standard: 3.38" W x 2.88" H x 1.65" D

Epoxy powder coated aluminum case, ABS/polycarbonate bezel, front and rear gaskets

NEMA 4X: 3.5" W x 3.0" H x 2.0" D

UV stabilized ABS/polycarbonate case, polycarbonate window, rear gasket

Add approximately 0.75" to height for pressure fitting and 1" to depth for strain relief

### Connection and Material

¼" NPT male, 316L SS wetted parts

### Overpressure and Burst

3000 psig range and metric equivalents: 5000 psig

5000 psig range and metric equivalents: 7500 psig

All others 2 times sensor pressure

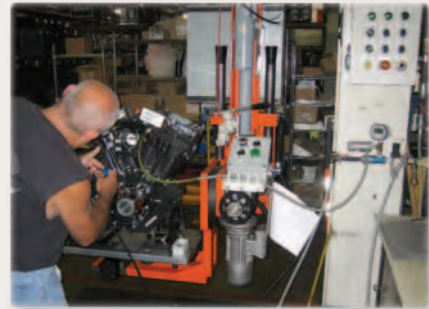
Burst: 4 times sensor pressure rating, or 10,000 psi, whichever is less

### Operating Temperature

-4 to 185°F (-20 to 85°C)

### Compensated Temperature

32 to 158°F (0 to 70°C)



Engine Assembly Leak Down Testing



DPG1000AD



F4AD, NEMA 4X



F16AD



F16ADN NEMA 4X



ARM760AD

Info Quick Link  
[cecomp.com/ad](http://cecomp.com/ad)

To Order		
Model Series	Range	Options
See table below	See range table	See options list

Model	Power	Ranges	NEMA	Backlight	Zero	Calibration	Units	Memory
ARM760AD	115V/12VDC included	760 Torr absolute			Front zero pot.	Front zero, span pots.	Factory set	none
ARM760ADBL				Red LED				
DPG1000AD	8-24 VAC or 9-32 VDC	Vacuum to 5000 psi, absolute, compound, ± bipolar			Front zero pot.	Front zero, span pots.	Factory set	none
DPG1000ADBL				Red LED				
F4AD				4X				
F4ADBL				4X				
F16AD	8-24 VAC or 9-32 VDC	Vacuum to 5000 psi, absolute, compound, ± bipolar			Hold button at startup	Internal buttons	Internal button select	Min/max, user configurable
F16ADBL				Red LED				
F16ADN				4X				
F16ADNBL				4X				



## Pressure/Vacuum Transmitters

- Transmitters with Local Display
- 4-20 mA 2 Wire Loop Powered Models
- 4 Wire w. 4-20 mA or Voltage Output
- Output Test Function

### Ranges

See range table for available engineering units

DPG1000L, F4L, DPG1000DR, F4DR

Vacuum to 1999 psi, absolute, bipolar

F16L, F16DR

Vacuum to 5000 psi, absolute, bipolar, compound

### Accuracy

Includes linearity, hysteresis, repeatability

Standard:  $\pm 0.25\%$  of full scale  $\pm 1$  least significant digit

Optional: HA  $\pm 0.1\%$  FS  $\pm 1$  LSD (most ranges)

### Display

Ranges to 1999: DPG1000L, F4L, DPG1000DR, F4DR

3.5 digit LCD, 0.5" H digits

3 readings per second nominal display update rate

F16L, F16DR

4 digit LCD, 0.5" H, 0.25" H alphanumeric lower display

4 readings per second nominal display update rate

DRBL: Red LED display backlight on when gauge is on

### Controls and Calibration

Ranges to 1999: DPG1000L, F4L, DPG1000DR, F4DR

Front panel zero and span potentiometers,  $\pm 10\%$  range

Front panel output test potentiometer, 0-100% range

Front panel output test button

Internal potentiometers for retransmission zero and span

F16L, F16DR

Password protected keypad calibration,  $\pm 10\%$  range

Output test, keypad programmable, 0-100% range

Front panel output test button

Front panel select and up/down button for setup

Output test allows testing of operation by setting output and display to a test level, independent of pressure input.

### Power

L models: 8 to 32 VDC, powered by current loop  
2-wire, 3 ft long, 22 AWG cable

DR models: 8 to 24 VAC 50/60 Hz or 9 to 32 VDC,  
1.0 watt maximum,  
4-wire shielded, 3 ft long, 22 AWG cable  
for power and output

All models are designed for continuous operation

Gauges are reverse polarity protected

### Output

DPG1000L, F4L, DPG1000DR, F4DR

4-20 mA analog output, 50 milliseconds typical response

F16L

4-20 mA output, 6,553 counts over sensor range

Updated approximately 16 times per second

F16DR

Updated approximately 16 times per second

-I: Current output, 4-20 mA DC, output drive  
(compliance) determined by power source.  
6,553 counts over sensor range.

-V: Voltage output, 0-2 VDC into 5k ohm or greater  
6,553 counts over sensor range

-BV: Voltage output,  $\pm 2$  VDC into 5k ohm or greater.  
Available for bipolar ranges. Output is -2-0-2 V.  
13,107 counts over sensor range

- Pressure Input to PLC
- Tank Level Transmitter
- Pump Pressure Transmitter
- Pressure Transmitter to Datalogger

### Housings

Standard: 3.38" W x 2.88" H x 1.65" D

Epoxy powder coated aluminum case, ABS/  
polycarbonate bezel, front and rear gaskets

NEMA 4X: 3.5" W x 3.0" H x 2.0" D

UV stabilized ABS/polycarbonate case, polycarbonate  
window, rear gasket

Add approximately 0.75" to height for pressure fitting  
and 1" to depth for strain relief

### Connection and Material

1/4" NPT male, 316L SS wetted parts

### Overpressure and Burst

3000 psig range and metric equivalents: 5000 psig

5000 psig range and metric equivalents: 7500 psig

All others 2 times sensor pressure

Burst: 4 times sensor pressure rating, or 10,000 psi,  
whichever is less

### Operating Temperature

-4 to 185°F (-20 to 85°C)

### Compensated Temperature

32 to 158°F (0 to 70°C)



Pipe Pressure Testing System



DPG1000L



F4L  
NEMA 4X



F16L



F16DR



F4DR,  
NEMA 4X

Info Quick Link  
[cecomp.com/trans](http://cecomp.com/trans)

To Order			
Model Series	Range	Analog Output Type	Options
See table below	See range table	Specify for DR models	See options list

Model	Power	Ranges	NEMA	Backlight	Calibration	Output Test	Analog Output
DPG1000L	8-32 VDC	Vacuum to 1999 psi, absolute, $\pm$ bipolar			Front zero, span pots.	Front pot. for test level	4-20 mA
F4L	2-wire loop-powered		4X				
F16L	8-32 VDC	Vac to 5000 psi, absolute, compound, $\pm$ bipolar			Via keypad with pass code protection	Keypad programmable test level	4-20 mA
F16LN	2-wire loop-powered		4X				
DPG1000DR							
DPG1000DRBL	8-24 VAC or 9-32 VDC	Vacuum to 1999 psi, absolute, $\pm$ bipolar		Red LED	Front zero, span pots.	Front pot. for test level	-I 4-20 mA -V 0-2 VDC -BV $\pm 2$ VDC
F4DR			4X				
F4DRBL			4X	Red LED			
F16DR							
F16DRBL	8-24 VAC or 9-32 VDC	Vacuum to 5000 psi, absolute, compound, $\pm$ bipolar		Red LED	Via keypad with pass code protection	Keypad programmable test level	-I 4-20 mA -V 0-2 VDC -BV $\pm 2$ VDC
F16DRN			4X				
F16DRNBL			4X	Red LED			



## Pressure/Vacuum Alarms, and Alarms with Retransmission Output

- ❑ Low Voltage AC/DC Powered
- ❑ 0.5 A Relays with Status LEDs
- ❑ Analog Output Available
- ❑ Output Test Function

### Ranges and Resolution

See range table for available engineering units  
Consult factory for special engineering units  
Resolution is fixed for each engineering unit

### Accuracy

Includes linearity, hysteresis, repeatability  
Standard:  $\pm 0.25\%$  of full scale  $\pm 1$  least significant digit  
Optional: HA  $\pm 0.1\%$  FS  $\pm 1$  LSD (most ranges)

### Display

4 digit LCD, 0.5" H, 0.25" H alphanumeric lower display  
4 readings per second nominal display update rate

BL models: Red LED backlight on when gauge is on.  
Alarm 1 and Alarm 2 LCD indicators and bi-color (red/green) LEDs

### Controls and Functions

SEL Select and display alarm trip points  
TEST Alarm acknowledge, or toggle alarms ( and output for DAR) when in test mode

- ▲ Increase alarm setpoint in setpoint adjust mode
  - ▼ Decrease alarm setpoint in setpoint adjust mode
- Multi-level pass codes for set-up and calibration

### ADA and DAR Alarm Outputs

Programmable dual form C (SPDT) relay contacts for HI/LO, HI/HI, LO/LO, normal or reverse acting with 1% deadband, or adjustable trip and reset points for each relay, manual or auto acknowledge.

1A/24VDC, 0.5A/115VAC, non-inductive  
120 milliseconds typical response time

### DAR Retransmission Output Options

Updated approximately 16 times per second

- I: Current output, 4-20 mA DC, output drive (compliance) determined by power source. 6,553 counts over sensor range
- V: Voltage output, 0-2 VDC into 5k ohm or greater 6,553 counts over sensor range
- BV: Voltage output,  $\pm 2$  VDC into 5k ohm or greater. Available for bipolar ranges. Output is -2-0-2 V. 13,107 counts over sensor range

### Calibration

Non-interactive,  $\pm 10\%$  of range

All pressure and absolute ranges: zero, midpoint, span

All vacuum ranges: -span, -midpoint, zero

Vacuum/pressure ranges: -span, zero, +midpoint, +span  
 $\pm 15$  psi ranges: -span, -midpoint, zero, +midpoint, +span

- High or Low Pump Pressure Alarm
- Tank Level Monitor Plus Alarm
- Automated Leak-Down Testing
- Vacuum Pump Alarm

### Power

8 to 24 VAC 50/60 Hz or 9 to 32 VDC  
Gauge is on whenever power is applied. Designed for continuous operation.

1.0 watt maximum power consumption  
Use WMPSK 12 VDC power supply kit to operate on 115 VAC

### Weight

Gauge: 9 ounces, shipping wt.: 1 pound (approximately)

### Housing

Standard: 3.38" W x 2.88" H x 1.65" D  
Epoxy powder coated aluminum case, ABS/polycarbonate bezel, front and rear gaskets  
NEMA 4X: 3.5" W x 3.0" H x 2.0" D  
UV stabilized ABS/polycarbonate case, polycarbonate window, rear gasket

Add approximately 0.75" to height for pressure fitting and 1" to depth for strain relief

### Connection, Material, Media Compatibility

1/4" NPT male fitting, 316L stainless steel  
All wetted parts are 316L stainless steel

### Overpressure

2 X pressure range for 3 psi to 2000 psi sensors  
5000 psig for ranges using 3000 psig sensor  
7500 psig for ranges using 5000 psig sensor  
Over-range display 112.5% FS: **I---** or **I----**  
Vacuum service: all 15 psi, 30 psia, all 100 psi, all 200 psi sensors

Under-range display (non-vacuum sensors): **-Err**

### Burst Pressure

4 X sensor pressure rating or 10,000 psi, whichever is less

### Environmental

Operating temperature: -4 to 185°F (-20 to 85°C)  
Compensated temperature: 32 to 158°F (0 to 70°C)



Substation Transformer Nitrogen Blanketing



F16ADAN  
NEMA 4X



F16DAR

Info Quick Link  
[cecomp.com/alarms](http://cecomp.com/alarms)

To Order			
Model Series	Range	Analog Output	Options
See table below	See range table	DAR models only	See options list

Model	Ranges	NEMA	Backlight	Calibration	Setup	Alarm Type and Options	Analog Output
F16ADA	Vacuum to 5000 psi, absolute, compound, $\pm$ bipolar	4X	Red LED	Via keypad with pass code protection	Keypad programmable alarm configuration, setpoints, test level	2 SPDT field programmable configuration 1% deadband or adjustable hysteresis	none
F16ADABL							
F16ADAN							
F16ADANBL							
F16DAR	Vacuum to 5000 psi, absolute, compound, $\pm$ bipolar	4X	Red LED	Via keypad with pass code protection	Keypad programmable alarm configuration, setpoints, test level	2 SPDT field programmable configuration 1% deadband or adjustable hysteresis	-I 4-20 mA -V 0-2 VDC -BV $\pm 2$ VDC
F16DARBL							
F16DARN							
F16DARNBL							

## Gauge Filter Screen and Quick Connector

Model	Description	Range	Size
SCR14SS	Filter screen fitting keeps debris out of gauge sensor. 303 SS body, 100 micron 304 SS screen. Recommended for food vacuum packaging applications and other contaminated process streams.	Vacuum to 4000 psi	1/4 NPT female x 1/4 NPT male
CON14SS	Quick connector allows installation or removal of gauge without tools. 304 stainless steel, urethane seal. Ideal for pressure checks or leak testing.	Vacuum to 5000 psi	1/4 NPT female x 1/4 NPT male



**NEW!**

More styles available  
Call Us!

Made in USA

## Ranges

Consult factory for other engineering units.

3.5 digit display indicates up to 19.99, 199.9, or 1999.

InHg/psig	Range Code	PSI
-29.9 inHg-15 psi	-30V15PSIG	-14.7-15.0
-29.9 inHg-100 psi	-30V100PSIG	-14.7-100
-29.9 inHg-200 psi	-30V200PSIG	-14.7-200
Pounds/sq. in.	Range Code	PSI
0-3 psi	3PSIG	3.0
0-5 psi	5PSIG	5.0
15-0 psia	15PSIA	15.0 abs
0-14.7 psi vac	15PSIGVAC	-14.7
-14.7-15.0 psi	±15PSIG	-14.7-15.0
0-15 psi	15PSIG	15.0
30-0 psia	30PSIA	30.0 abs
0-30 psi	30PSIG	30.0
0-60 psi	60PSIG	60.0
100-0 psia	100PSIA	100 abs
-14.7-100 psi	-15V100PSIG	-14.7-100
0-100 psi	100PSIG	100
-14.7-200 psi	-15V200PSIG	-14.7-200
0-200 psi	200PSIG	200
0-300 psi	300PSIG	300
0-500 psi	500PSIG	500
0-1000 psi	1000PSIG	1000
0-3000 psi	3000PSIG	3000
0-5000 psi	5000PSIG	5000
inches Hg (0°C)	Range Code	PSI
0-6 inHg	6INHGG	3.0
0-10 inHg	10INHGG	4.9
30-0 inHg abs	30INHGA	14.7 abs
0-29.9 inHg vac	30INHGVAC	-14.7
-29.9-30.0 inHg	±30INHGG	±14.7
0-30 inHg	30INHGG	14.7
60-0 inHg abs	60INHGA	29.5 abs
0-60 inHg	60INHGG	29.5
0-120 inHg	120INHGG	58.9
200-0 inHg abs	200INHGA	98.2 abs
0-200 inHg	200INHGG	98.2
In. H <sub>2</sub> O (20°C)	Range Code	PSI
0-85 inH <sub>2</sub> O	85INH2OG	3.1
0-140 inH <sub>2</sub> O	140INH2OG	5.1
400-0 inH <sub>2</sub> O abs	400INH2OA	14.5 abs
0-408 inH <sub>2</sub> O vac	400INH2OVAC	-14.7
±408 inH <sub>2</sub> O	±400INH2OG	±14.7
0-400 inH <sub>2</sub> O	400INH2OG	14.5
850-0 inH <sub>2</sub> O abs	850INH2OA	30.7 abs
0-850 inH <sub>2</sub> O	850INH2OG	30.7
Ft. H <sub>2</sub> O (20°C)	Range Code	PSI
0-7 ftH <sub>2</sub> O	7FTH2O	3.0
0-12 ftH <sub>2</sub> O	12FTH2O	5.2
0-35 ftH <sub>2</sub> O	35FTH2O	15.2
0-70 ftH <sub>2</sub> O	70FTH2O	30.3
0-140 ftH <sub>2</sub> O	140FTH2O	60.7
0-230 ftH <sub>2</sub> O	230FTH2O	99.7
0-480 ftH <sub>2</sub> O	480FTH2O	208
0-700 ftH <sub>2</sub> O	700FTH2O	303
0-1150 ftH <sub>2</sub> O	1150FTH2O	498
0-2300 ftH <sub>2</sub> O	2300FTH2O	995
0-6900 ftH <sub>2</sub> O	6900FTH2O	2986
Ounces/sq. in.	Range Code	PSI
0-50 oz/in <sup>2</sup>	50ZING	3.1
0-80 oz/in <sup>2</sup>	80ZING	5.0
240-0 oz/in <sup>2</sup> abs	240ZINA	15.0 abs
0-235 oz/in <sup>2</sup> vac	240ZINVAC	-14.7
-235-240 oz/in <sup>2</sup>	±240ZING	-14.7-15.0
0-240 oz/in <sup>2</sup>	240ZING	15.0
kiloPascals	Range Code	PSI
0-20 kPa	20KPAG	2.9
0-35 kPa	35KPAG	5.1
100-0 kPa abs	100KPAA	14.5 abs
0-101 kPa vac	100KPAVAC	-14.7
0-20 kPa	20KPAG	2.9
0-35 kPa	35KPAG	5.1

Some ranges may require models with 4-digit display. Specify if minus sign is required for vacuum models.

kiloPascals	Range Code	PSI
100-0 kPa abs	100KPAA	14.5 abs
0-101 kPa vac	100KPAVAC	-14.7
-101-100 kPa	±100KPAG	-14.7-14.5
0-100 kPa	100KPAG	14.5
200-0 kPa abs	200KPAA	29.0 abs
0-200 kPa	200KPAG	29.0
0-400 kPa	400KPAG	58
700-0 kPa abs	700KPAA	102 abs
-101-700 kPa	-100V700KPAG	-14.7-102
0-700 kPa	700KPAG	102
-101-1400 kPa	-100V1400KPAG	-14.7-203
0-1400 kPa	1400KPAG	203
0-2000 kPa	2000KPAG	290
0-3500 kPa	3500KPAG	508
0-7000 kPa	7000KPAG	1015
MegaPascal	Range Code	PSI
-0.1-0.7 MPa	-0.1V0.7MPAG	-14.7-102
-0.1-1.4 MPa	-0.1V1.4MPAG	-14.7-203
0-1.4 MPa	1.4MPAG	203
0-2 MPa	2MPAG	290
0-3.5 MPa	3.5MPAG	508
0-7 MPa	7MPAG	1015
0-20 MPa	20MPAG	2901
0-35 MPa	35MPAG	5076
Millibar	Range Code	PSI
0-200 mbar	200MBARG	2.9
0-350 mbar	350MBARG	5.1
1000-0 mbar abs	1000MBARA	14.5 abs
0-1013 mbar vac	1000MBARVAC	-14.7
-1013-1000 mbar	±1000MBARG	-14.7-14.5
0-1000 mbar	1000MBARG	14.5
2000-0 mbar abs	2000MBARA	29.0 abs
0-2000 mbar	2000MBARG	29.0
0-4000 mbar	4000MBARG	58.0
Bar	Range Code	PSI
1-0 bar abs	1BARA	14.5 abs
1.01 bar vac	1BARVAC	-14.7
-1.01-1 bar	±1BARG	-14.7-14.5
0-1 bar	1BARG	14.5
2-0 bar abs	2BARA	29.0 abs
0-2 bar	2BARG	29.0
0-4 bar	4BARG	58.0
7-0 bar abs	7BARA	102 abs
-1.01-7 bar	1V7BARG	-14.7-102
0-7 bar	7BARG	102
-1.01-14 bar	1V14BARG	-14.7-203
0-14 bar	14BARG	203
0-20 bar	20BARG	290
0-35 bar	35BARG	508
0-70 bar	70BARG	1015
0-200 bar	200BARG	2901
0-350 bar	350BARG	5076
kilograms/cm <sup>2</sup>	Range Code	PSI
1-0 kg/cm <sup>2</sup> abs	1KGCMA	14.2 abs
0-1.03 kg/cm <sup>2</sup> vac	1KGCMTG	-14.7
-1.03-1 kg/cm <sup>2</sup>	±1KGCMTG	-14.7-14.2
0-1 kg/cm <sup>2</sup>	1KGCMTG	14.2
2-0 kg/cm <sup>2</sup> abs	2KGCMA	28.4 abs
0-2 kg/cm <sup>2</sup>	2KGCMTG	28.4
0-4 kg/cm <sup>2</sup>	4KGCMTG	56.9
7-0 kg/cm <sup>2</sup> abs	7KGCMA	99.6 abs
-1.03-7 kg/cm <sup>2</sup>	-1V7KGCMTG	-14.2-99.6
0-7 kg/cm <sup>2</sup>	7KGCMTG	99.6
-1.03-14 kg/cm <sup>2</sup>	-1V14KGCMTG	-14.2-199
0-14 kg/cm <sup>2</sup>	14KGCMTG	199
0-20 kg/cm <sup>2</sup>	20KGCMTG	284
0-35 kg/cm <sup>2</sup>	35KGCMTG	498
0-70 kg/cm <sup>2</sup>	70KGCMTG	996
0-200 kg/cm <sup>2</sup>	200KGCMTG	2845
0-350 kg/cm <sup>2</sup>	350KGCMTG	4978

15 psig, 100 psig, 200 psig, and absolute sensors are for vacuum service.

grams/cm <sup>2</sup>	Range Code	PSI
1000-0 g/cm <sup>2</sup> abs	1000GCMA	14.2 abs
0-1037 g/cm <sup>2</sup> vac	1000GCMVAC	-14.7
0-1000 g/cm <sup>2</sup>	1000GCMG	14.2
2100-0 g/cm <sup>2</sup> abs	2100GCMA	29.9 abs
0-2100 g/cm <sup>2</sup>	2100GCMG	29.9
mmHg (0°C)	Range Code	PSI
0-150 mmHg	150MMHGG	2.9
0-260 mmHg	260MMHGG	5.0
760-0 mmHg abs	760MMHGA	14.7 abs
0-760 mmHg vac	760MMHGVAC	-14.7
±760 mmHg	±760MMHGG	±14.7
0-760 mmHg	760MMHGG	14.7
1600-0 mmHg	1600MMHGA	30.9 abs
0-1600 mmHg	1600MMHGG	30.9
Torr (0°C)	Range Code	PSI
760-0 Torr	760TORRA	14.7 abs
1600-0 Torr	1600TORRA	30.9 abs
cm H <sub>2</sub> O (20°C)	Range Code	PSI
0-210 cmH <sub>2</sub> O	210CMH2OG	3.0
0-350 cmH <sub>2</sub> O	350CMH2OG	5.0
0-1000 cmH <sub>2</sub> O	1000CMH2OG	14.2
0-2100 cmH <sub>2</sub> O	2100CMH2OG	29.9
mm H <sub>2</sub> O (20°C)	Range Code	PSI
0-2100 mmH <sub>2</sub> O	2100MMH2OG	3.0
0-3500 mmH <sub>2</sub> O	3500MMH2OG	5.0
Atmospheres	Range Code	PSI
1-0 atm abs	1ATMA	14.7 abs
±1 atm	±1ATMG	±14.7
0-1 atm	1ATMG	14.7
0-2 atm abs	2ATMA	29.4 abs
0-2 atm	2ATMG	29.4
0-4 atm	4ATMG	58.8
0-7 atm	7ATMG	103
0-14 atm	14ATMG	206
0-20 atm	20ATMG	294
0-34 atm	34ATMG	500
0-70 atm	70ATMG	1029
0-200 atm	200ATMG	2939
0-340 atm	340ATMG	4997



RB Rubber Boot



-TP Top Port Option

### Pressure Gauge Options and Accessories

#### Option Add to end of model number

- CC Moisture resistant circuit board coating. Std. on DPG2000.
- HA High accuracy, ±0.1% FS ±1 LSD. Some ranges require 4-digit display. Not available with 3 psi sensor, compound, vacuum, or bipolar ranges.
- PM Panel mount, 4.1" x 4.1", not for NEMA models.
- SM Surface mount plate. Battery powered models only, not for NEMA models.
- MC Metal bezel instead of plastic. Synthetic oil resistant. Std. on DPG2000, not for NEMA models.
- TP Top Port. Fitting at top of case. Battery-powered gauges only.
- CS Case stiffener to reinforce bottom of case for tire pressure applications. Std. on DPG2000.

#### Accessories

- NC NIST certificate; 5 test points, test date, NIST traceability documentation
- CD 5 point factory calibration data with test date
- RB Protective rubber boot, not for NEMA models.
- WMPK Wall mount power supply kit, 115VAC/12VDC





See [cecomp.com](http://cecomp.com) for latest product information. Call 800-942-0315 for questions or quotes. See [www.cecomp.com/pdf/cecompprices.pdf](http://www.cecomp.com/pdf/cecompprices.pdf) for latest pricing.

## ThermoPro® Temperature Indicators, Transmitters, Alarms

- Precision RTD Element
- NEMA 4X Housing
- 316L Stainless Steel Probe
- 1/2" NPT for Standard Thermowells

- Local Temperature Display
- Refrigerator or Oven Temperatures
- Transmitter for PLC Temperature Input
- Temperature Out-of-Limits Alarm



Air Dryer Outlet Temperature

**Info Quick Link**  
[cecomp.com/thermopro](http://cecomp.com/thermopro)

**Range**  
-58.0 to 392.0°F or -50.0 to 200.0°C, selectable

**Resolution**  
0.1°F or 0.1°C resolution

**Accuracy**  
±0.1% of span, plus maximum sensor error of ±0.3°C at 0°C, ±1.1°C at 150°C  
Includes linearity, hysteresis, repeatability

**Sensor**  
100 Ohm RTD element, 0.00385 alpha coefficient  
IEC-751 Class B: ±0.3°C at 0°C, ±1.1°C at 150°C  
10 second time constant

**Probe**  
316L SS sheath, 1/4" diameter  
Replaceable probe assembly  
Fixed length probe: Welded to hex nipple  
Spring-loaded probe: For use with thermowells

**Display**  
4 readings per second nominal display update rate  
4 digit LCD, 0.5" digit height, alphanumeric lower display

**Calibration**  
User settable pass code required for calibration mode  
Zero and span temperature calibration

**Housing**  
NEMA 4X  
3.5" W x 3.0" H x 2.0" D for housing only  
UV stabilized ABS/polycarbonate case, polycarbonate window, rubber rear gasket

**Connection and Probe Material**  
1/2" NPT male, 316L stainless steel

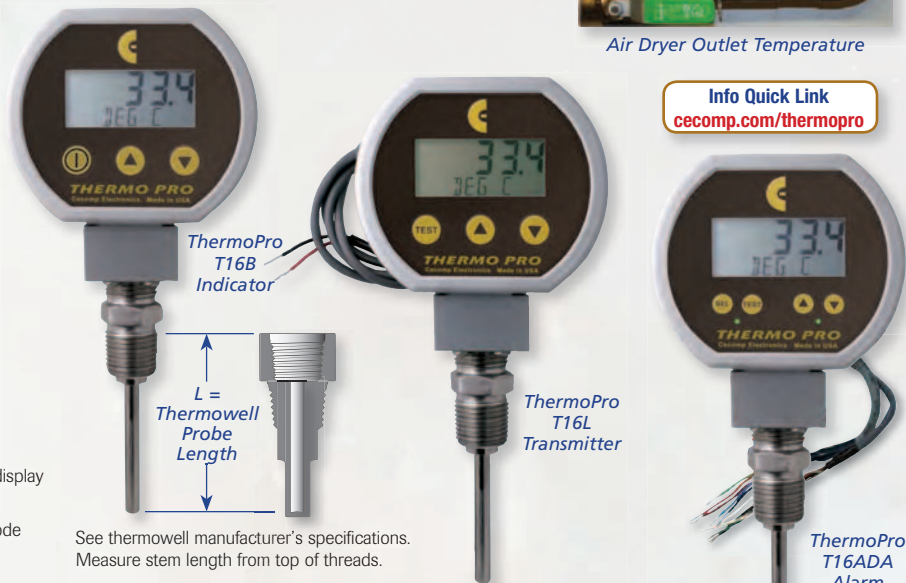
**Operating Temperature**  
-4 to 185°F (-20 to 85°C) at housing

**T16B Battery Powered Indicator**  
Includes 2 AA batteries  
Battery life approximately 1000 hours  
BL backlit version battery life approx. 150 to 750 hours

**T16L Loop Powered Transmitter**  
Powered by 8 to 32 VDC current loop  
Reverse polarity protected  
3 ft long, 2-conductor 22 AWG cable  
4-20 mA output, approx. 12,000 counts, updated 4 times per second

Configurable temperature range to correspond to 4-20 mA output, configurable for upscale or downscale burnout

**T16ADA Dual Temperature Alarm**  
Powered by 8 to 24 VAC 50/60 Hz or 9 to 32 VDC  
Reverse polarity protected  
3 ft long, 2-conductor and 6-conductor 22 AWG cables  
2 SPDT relays, 1A/24VDC, 0.5A/115VAC non-inductive  
Programmable setpoints, High or Low  
Normal or reverse acting, programmable hysteresis  
Front panel LED alarm status indication



See thermowell manufacturer's specifications.  
Measure stem length from top of threads.

Fixed Length Probe	Spring-Loaded for Thermowells	Length "L"	Features	Power
T16B2	T16B2S	2.5" L	Battery powered temperature indicator	2 AA batteries, 1000 hrs.
T16B4	T16B4S	4" L		
T16B6	T16B6S	6" L		
T16B9	T16B9S	9" L		
T16B12	T16B12S	12" L	Battery powered temperature indicator, with red LED display backlight	2 AA batteries, 150 to 750 hrs.
T16BBL2	T16BBL2S	2.5" L		
T16BBL4	T16BBL4S	4" L		
T16BBL6	T16BBL6S	6" L		
T16BBL9	T16BBL9S	9" L	2-wire 4-20 mA loop powered transmitter	8-32 VDC loop power
T16BBL12	T16BBL12S	12" L		
T16L2	T16L2S	2.5" L		
T16L4	T16L4S	4" L		
T16L6	T16L6S	6" L	Temperature alarm, 2 SPDT relays, programmable	8 to 24 VAC or 9 to 32 VDC
T16L9	T16L9S	9" L		
T16L12	T16L12S	12" L		
T16ADA2	T16ADA2S	2.5" L		
T16ADA4	T16ADA4S	4" L	Temperature alarm, 2 SPDT relays, programmable, with red LED display backlight	8 to 24 VAC or 9 to 32 VDC
T16ADA6	T16ADA6S	6" L		
T16ADA9	T16ADA9S	9" L		
T16ADA12	T16ADA12S	12" L		
T16ADABL2	T16ADABL2S	2.5" L	Temperature alarm, 2 SPDT relays, programmable, with red LED display backlight	8 to 24 VAC or 9 to 32 VDC
T16ADABL4	T16ADABL4S	4" L		
T16ADABL6	T16ADABL6S	6" L		
T16ADABL9	T16ADABL9S	9" L		
T16ADABL12	T16ADABL12S	12" L		