

## DTHO-1201/3201 SERIES UNIVERSAL DIGITAL TACHOMETERS

- Two universal models
  - Power from C.D. ignition or magnetic pickup
  - 4-1/2" round or JIC rectangular Lexan case
  - Integral overspeed trip and hourmeter
  - Quartz crystal eliminates all calibration
- Suitable for use on gas engines and other critical rotating equipment
- Easy to configure
- CSA certified for Class I, Division 1 and 2, Groups C and D hazardous areas

DTHO-1201 features a weather-resistant round case which mounts to an industry standard 4-1/2" cutout.

\* This device replaces former models:  
DT/DTH/DTO/DHTO-1200

DTHO-3201 is packaged in a 4.19" x 5.00" Lexan rectangular case.

\* This device replaces former models:  
DT/DTH/DTO/DTHO-3200 and  
PT/PTH/PTO/PTHO-2100

The Altronic DTHO-1201/3201 series tachometers represent the third generation of Altronic digital speed sensing and indication devices. Designed for universal use, these high-quality, microprocessor-based devices can be powered from a C.D. ignition system or a magnetic pickup and are offered in two durable Lexan enclosures for use on natural gas engines and other critical rotating equipment. Overspeed trip and hourmeter functions are resident in both devices.

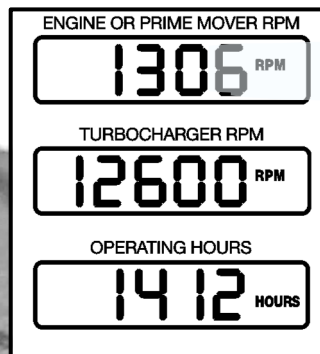
Setup of these highly accurate tachometers is accomplished through the front sealed-membrane keypad. They can be configured for use in monitoring engine RPM or higher speeds of interest such as turbocharger RPM. An advanced filtering algorithm assures a stable speed readout even during periods of speed fluctuation.

The DTHO-1201/3201 devices are certified for use in Class I, Division 1 and 2, Groups C and D hazardous areas by Canadian Standards Association (CSA).

See also the DSG-1201  
Tachometer series,  
form DSG-1201.



CERTIFIED CLASS I,  
DIVISION 1 and 2,  
GROUPS C and D



## Specifications

Power Requirement .....	C.D. ignition (100-400V.) or Magnetic pickup (3-20V. peak)
Hazardous Area Classification .....	Class I, Div. 1 and 2, Group C and D See "To Order" below for details
Instrument Display .....	5-digit LCD, 0.4" height
Instrument Range:	
RPM Indication .....	0-9999 (engine), 0-99,900 (turbo)
Hours Indication .....	0-99,9999 (settable)
Instrument Accuracy .....	±0.5% of reading, ±1 digit
Display Update Rate .....	1 per second (with software filter)
Output Switch Rating .....	400 Vdc, 140 mA continuous N.O.
Ambient Temperature Rating .....	-40°F. to +175°F. / -40°C. to +80°C.

## To Order

Tachometer with Overspeed and Hourmeter:

4-1/2" Round Case .....	DTHO-1201
Rectangular Case .....	DTHO-3201

CLASS I, DIV. 1 & 2, GROUP C & D HAZARDOUS AREAS (INTRINSICALLY SAFE)

Ignition-powered, use Altronic Barrier and Cable listed below:

Negative Ground Ignition .....	690107
Positive Ground Ignition .....	690108
Cable Assembly .....	693106-1

Magnetic Pickup-powered, use Pickup and Cable from list below:

Pickup 5/8"-18 x 1.75" .....	691118-1
Pickup 5/8"-18 x 2.50" .....	691118-2
Pickup 5/8"-18 x 3.00" .....	691118-3
Pickup 5/8"-18 x 4.50" .....	691118-4
Pickup 5/8"-18 x 6.00" .....	691118-6
Cable 10 ft. length .....	693104-1
Cable 20 ft. length .....	693104-2
Cable 30 ft. length .....	693104-3
Cable 40 ft. length .....	693104-4
Cable 50 ft. length .....	693104-5

Pneumatic Output Interface, use solenoid below for hazardous areas:

2-way valve .....	690019-1
3-way valve .....	690019-2

# ALTRONIC

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## Dimensions

