

## DTHO-1201/3201 UNIVERSAL DIGITAL TACHOMETERS / HOURMETERS

- Three operating modes:
  - Tachometer-Overspeed-Hourmeter
  - Hourmeter only with set/reset
  - Hourmeter only without set/reset
- High limit alarm in RPM or Hours
- Suitable for use on gas engines and other critical rotating equipment
- 2 durable cases: 4-1/2" round or JIC rectangular
- CSA certified for Class I, Division 1 and 2, Groups C and D hazardous areas

Model **DTHO-1201** features a weather-resistant round case which mounts to an industry standard 4-1/2" cutout. This device replaces older models:  
DT/DTH/DTO/DTHO-1200  
FWMurphy® SHD45

Model **DTHO-3201** is packaged in a 4.19" x 5.00" Lexan rectangular case. This replaces older models:  
DT/DTH/DTO-3200  
DT/DTO-2200  
DTH/DTHO-2100  
DT/DTO-1000/1010  
PT/PTH/PTO/PTHO-2100  
DH-100/100A, 691026-2  
FWMurphy® SHD30

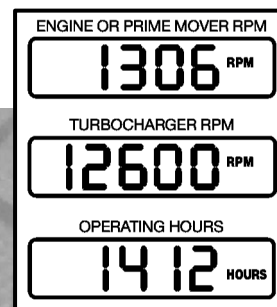
The Altronic DTHO-1201/3201 series tachometers are microprocessor-based instruments for accurately displaying engine RPM or higher speeds such as turbocharger RPM. The basic device includes speed display, overspeed protection and hourmeter functions combined in one device. Setup is easily accomplished through the front sealed-membrane keypad.

The DTHO-1201/3201 devices can also be used as an hourmeter-only with two modes of operation available: with and without set/reset capability. This accommodates traditional applications and also newer clean-air requirements for a non-adjustable record of operating hours. In addition, the high limit output switch can be programmed in hours to alert for a maintenance interval. This device is now the replacement for former Altronic hourmeters DH-100A and 691026-2.

Power and speed or operating signal for these devices is from either a C.D. ignition system or a magnetic pickup.



**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 .....	0-99,999 hours
RPM 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 Options:

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

CLASS I, DIV. 1, 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

A Member of the HOERBIGER Group

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## Dimensions

