

SOLID STATE ENGINE INSTRUMENT PANEL

MODEL 2516T

CURTIS



DESCRIPTION

Model 2516T is a solid state instrument panel comprised of a fuel gauge, hour meter, maintenance monitor and 5 indicator lights.

WARRANTY

Two Year Limited Warranty
(see terms of sale for specifics)

Application

Ideally suited for rugged industrial and commercial applications, including construction vehicles, machinery, grounds maintenance, agricultural equipment, and many more.

Quality Compliance

Model 2516T is manufactured under ISO 9001 certified Quality Management System.

Features

- Numeric display includes:
 - 6-digit hour meter to monitor use-time throughout equipment's lifespan.
 - Time-of-day clock to assist the equipment operator in time management.
 - Text messages provide user-friendly equipment status information.
 - Maintenance monitor indicates when to change oil (displays "OIL LUBE") at intervals (first 5 and every 50 hours) remains ON for 5 hours. Resettable with key-switch.
 - PTO hour meter accumulates from PTO enable to indicate the time that the PTO is engaged.
- 5 indicator icon lights for various maintenance or alert functions (1 internally & 4 externally driven).
- Sealed buttons allow toggling of the numeric display and setting the time-of-day clock.
- Precision solid state circuitry provides faster response, no moving parts to wear out and years of rugged & reliable operation.
- Crisp, clean readouts on high-contrast LCD. Larger and much easier to read than standard electro-mechanical indicators.
- Demo mode sequentially illuminates all display elements as a sales/promotion tool.
- Compact, all-in-one case fits standard 50 x 100 mm DIN 43700 cut-out.
- Reliable and bright LED icons with externally driven active-high/low inputs (factory configured). Standard icon light colors: 4 red LEDs and 1 amber.
- Single molded Molex connector simplifies installation.
- Wired reset clears both the hour meter & PTO time accumulation (factory option).
- Self test activates all LCD segments and indicator lights for 1 second at power-up.
- EEPROM memory retains hour meter, PTO & maintenance data for more than 10 years without power (excluding time-of-day).

FACTORY AUTHORIZED SALES AGENT & DISTRIBUTOR: GLOBAL INDUSTRIAL PRODUCTS 20 NORTH WACKER, SUITE 1741 * CHICAGO * IL
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Specifications

Mating Connector	Molex Mini-Fit Jr. 1pc (12 pin), p/n 39-01-2125, Connector pins (12pc.), 39-00-0039
Housing & Lens Materials	Housing: Black ABS, Lens: PMMA
Dimensions	Cut-out per DIN 43700: 45±0.6 x 92±0.8mm Panel Thickness: 0.8mm to 6.4mm
LCD Displays	Hour Meter: 6-digit 5mm tall digits - Fuel Indicator: 5mm Bar Graph
Hour Meter Range & Resolution	99,999.9 hours
Fuel Sender	Resistive-linear 22-262Ω, full to empty
Accuracy	±0.01% hours, ±3.5% fuel (sender error not included)
Mechanical Shock	SAE J 1378 55g
Vibration	SAE J 1378 20g
Environmental Sealing	IP 65, Front & IP 40, Rear
Operating/Storage Temp. Range	-40°C to +85°C/-50°C to +90°C
Humidity	95% RH non-condensing at 38°C
Timing (Power)	4 seconds to arm memory (No loss of time)
Current Consumption (mA)	125.0 max @ 12VDC, 24.0 min.(active); (3.0 max in standby)
Inputs	
Indicator 1	Voltage Sensing - Battery >11V
Indicators 2 & 3	Active Low - (2) Low or No Oil Pressure (3) Temp Hot
Indicators 4 & 5	Active High - (4) Cruise "ON", (5) PTO "ON"
Hour Meter Enable	Oil Pressure Sensor - activated when pressure is present

Dimensions: mm (inches)

