

MEM40 发动机监控仪

ENGINE MONITORING CONTROLLER



简介

可用于单台发动机自动化控制系统，实现发动机的机旁开机 / 停机、遥控开机 / 停机、数据测量、显示、报警保护等功能。控制箱带有远程监控接口，可接入远传模块 MEM40-RM 或 HMC4300RM-MEM40，实现发动机的远程开机、停机等功能。

特点

- 4.3英寸240×128分辨率大屏LCD液晶显示、可中/英文显示
- J1939通信接口，可支持几十种电控发动机的监控
- RS485接口支持MODBUS RTU通信协议
- 在机旁模式下可通过面板按键开机/停机。在遥控模式下可通过远传模块开机/停机
- 远程监控接口，可接入远传模块，在遥控模式下可实现遥控开机和停机
- 越控功能，越控模式有效时除紧急停机和超速停机外其它任何报警都不停机
- 安保接口，通过此接口可接入安保转速和安保油压传感器
- 自检模式，自检模式有效时可以对设置的报警进行自检
- 报警自锁功能
- 报警记录和起停机事件记录功能
- 显示最多10个SPN报警内容
- 远传模块MEM40-RM或HMC4300RM-MEM40无需设置任何参数，自动同步MEM40数据和信息

Overview

The Engine Monitoring Controller, used for automatic control system of single engine, which can realize engine local/remote start/stop, data measurement, display, alarm protection and etc. With remote monitoring interface, it can connect remote monitoring module MEM40-RM or HMC4300RM-MEM40, and realize engine remote start, stop and other functions.

Features

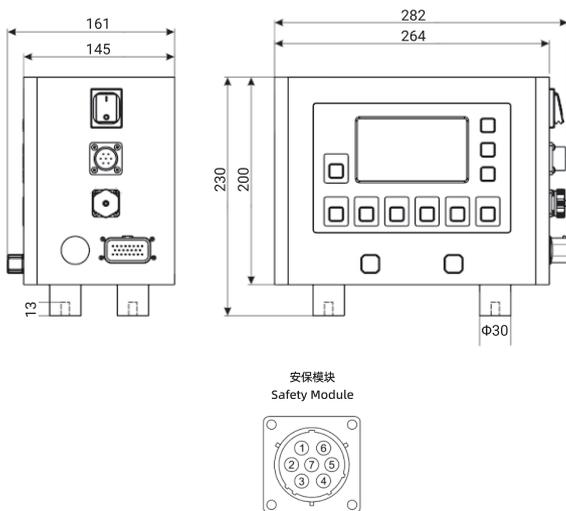
- 4.3-inch LCD display with 240×128 resolution, optional Chinese/English
- Support J1939 communication interface, dozens of ECU engines monitoring can be realized
- RS485 interface supports MODBUS RTU communication protocol
- Start/stop can be achieved via panel key in local mode and achieved via remote monitoring module in remote mode
- With remote monitoring interface and can connect remote monitoring module, remote start/stop can be realized in remote mode
- With override mode, when this mode is active, other alarms without shutdown except for emergency stop and over-speed stop
- With RPU interface, RPU speed and oil pressure sensor can be connected via it
- With self-check mode, when this mode is active, it can self-check setting alarm
- Alarm self-lock function
- Alarm log and start/stop event log function
- Display up to 10 SPN alarm contents
- MEM40-RM module or HMC4300RM-MEM40 can automatically synchronize MEM40 data and configuration information without setting any parameters



直流供电 DC Supply	DC(8~35)V, 直流反接保护 双电源检测 分辨率: 0.1V 精度: 1%	DC(8~35)V, DC reverse connection protection Dual Power Input Resolution: 0.1V Accuracy: 1%																																
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外形尺寸 Overall Dimensions	MEM40: 282 × 160.5 × 230mm MEM40-RM: 284 × 227 × 107mm	MEM40: 282 × 160.5 × 230mm MEM40-RM: 284 × 227 × 107mm																																
环境 Environment	工作温度: (-25~+70)°C 工作湿度: 相对湿度: (20~93)%RH 贮存温度: (-30~+80)°C 防护等级: IP44	Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-30~+80)°C IP Rating: IP44																																
标准和认证 Standards & Certificates	振动: (5~8)Hz: ±7.5mm, (8~500)Hz: 4g IEC 60068-2-6 碰撞: 25g _n , 16ms, 半正弦 IEC 60255-21-2 冲击: 50g _n , 11ms, 半正弦 三个互相垂直方向的每一方向连续 施加三次冲击, 即共18次 IEC 60068-2-27	Vibration: (5~8)Hz: ±7.5mm, (8~500)Hz: 4g (IEC 60068-2-6) Bump: 25g _n , 16ms, half-sine (IEC 60255-21-2) Shock: 50g _n , 11ms, half-sine complete shock test from three mutually perpendicular directions, totally 18 times (IEC 60068-2-27)																																

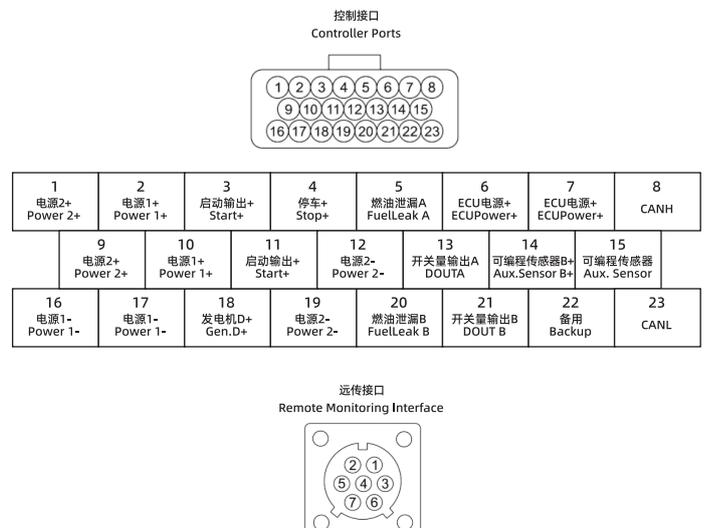
● 尺寸 Dimensions

单位(Unit): mm



引脚 Pin	1	2	3	4	5	6	7
定义 Definition	RS485A	RS485B	安保护压VCC RPU OPVCC	安保护压GND RPU OPGND	安保护压OUT RPU OPOUT	安保护速A RPU SPEED A	安保护速B RPU SPEED B

● 端口 Ports



引脚 Pin	1	2	3	4	5	6	7
定义 Definition	电源+ POWER+	电源- POWER-	NC	紧急停车 Emergency Stop	CANL	CANH	NC