

# Modbus Register Map – Industrial Motor Health Monitoring System

This document defines the Modbus RTU holding registers used for monitoring motor parameters and fault conditions over RS-485.

Register	Type	Description
40001	Holding	Temperature (°C ×10)
40002	Holding	RMS Vibration
40003	Holding	Motor Current (A ×100)
40010	Holding	Fault Status Bitfield
40011	Holding	Overtemperature Flag
40012	Holding	Overcurrent Flag
40013	Holding	Abnormal Vibration Flag
40020	Holding	System Health Status

**Fault Status Bitfield (Register 40010):**

Bit 0 – Overtemperature

Bit 1 – Overcurrent

Bit 2 – Abnormal Vibration

Bit 3 – Reserved