

BMS Product Comparison

Features	BMS-100	BMS-300	BMS-350
POWER			
12 Volt DC Input	✓	✓	✓
Solar Panel Input for Battery Charging (Limit to 90 Watts)	✓	✓	✓
INPUT FUNCTIONS			
Flame Sense – Flame Rod		✓	✓
Flame Sense – Thermocouple (T/C)	✓		✓
Shutdowns	✓ (2)	✓ (2)	✓ (1)
Standbys	✓ (2)	✓ (3)	✓ (2)
Alternate Sensing (w/ pressure, level switches, etc.)		✓	✓
Temperature Control w/ Resistance Temperature Detector (RTD)		✓	✓
Temperature Control w/ Thermocouple (T/C)			✓
Thermocouple (T/C) Safety Shutdown	✓ *		✓
4-20mA Input	✓ *		
OUTPUT FUNCTIONS			
1st Stage Solenoid	✓	✓	✓
2nd Stage Solenoid		✓	✓
Actuator	✓	✓	✓
Modbus Write	✓ *		✓ *
Modbus Read	✓ *	✓ *	✓ *
4-20mA Output		✓	✓
Alarm Output	✓		✓
Run Status	✓	✓	✓
OPERATIONS			
Adjustable Extreme High Temp Delta (EHTD)		✓	✓
Attempts & Successes (A/S) Readout		✓	✓
Attempts & Successes (A/S) Resettable			✓
Adjustable Flame Proof Timing (FPT)		✓	✓
Adjustable Timing Between Stage 1 and Stage 2 Solenoid Valves		✓	✓
Battery Volts Readout	✓	✓	✓
Days Burner On Counter			✓
Hours Burner On Counter		✓	
System Days Unit On Counter			✓
Flame Strength Indication	✓	✓	✓
Flame Strength Threshold - Adjustable		✓	✓
Igniter Volts Display		✓	
Indicator LEDs	✓	✓	✓
Pilot Mode Intermittent		✓	✓
Pilot Mode Standing	✓	✓	✓
Single Stage Capable	✓	✓	✓
2 Stage Capable	✓	✓	✓
Status Code	✓	✓	✓
Status Code History			✓
Adjustable Pre-Purge Timing	✓		
Adjustable Re-Ignition Attempts	✓		
Data Logging	✓ *		

Daughter Board Required *



CLASS 1 DIVISION 2 GROUPS C, D, T6
 UL STD 61010-1 • UL STD 61010-2-030
 UL STD 121201:2017 Ed.9 • UL STD 121201(Ed.9)
 BMS 300 & 350 are also NFPA 87 and B149.3 COMPLIANT

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