R.K. Instruments & Controls

TECHNICAL DATASHEET

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Madas MTC10 Valve Proving System

Brand: Madas | Code/Part No.: MTC10 | Category: VALVE PROVING SYSTEMS

Specifications

Type	**MTC10 Valve Proving System (VPS)**
Part No.	**MTC10**
Function	**Automatic valve-proving (leak-tightness) control unit — tests the**
Supply Voltage	**110 VAC or 230 VAC (order-specific)**
Power Consumption	**3.2 VA**
Output Ratings	**Working output 2A · Fault output 1A · Fuse 6.3A (delayed)**
Test Cycle Duration	**Approx. 60 seconds**
Operation Mode	**Continuous automatic testing on every start**
Valve Compatibility	**MADAS EVP / CB-CK solenoid valves, DN15–DN100 (1 or 2 valves)**
Pressure Switch Inputs	**1 or 2 pressure switches, per EN 1854**
Operating Temperature	**-20°C to +60°C**
Protection	**IP65**
Installation	**Any mounting position**
Standards	**EN 1643 (Valve Proving Systems) · EN 161 (Automatic Shut-off Valves) · EN**
Manufacturer	**MADAS s.r.l., Italy**
Country of Origin	**Italy**



Description

The MADAS MTC10 is an automatic valve-proving (leak-tightness) control unit that checks the shut-off valves of a gas train for leaks before every burner start, per EN 1643. It monitors 1 or 2 MADAS solenoid valves (EVP / CB-CK series, DN15–DN100) together with 1 or 2 pressure switches (EN 1854), running a roughly 60-second test cycle on each start; front-panel FAULT/OK LEDs (with separate V1/V2 valve-status and P/pressure indicators) show the result, and a RESET button clears a fault lockout. Rated 110V or 230V AC, 3.2 VA, with a 2A working output and 1A fault output (6.3A delayed fuse), IP65 enclosure rated -20°C to +60°C for any mounting position. A standard MADAS gas-train safety accessory for industrial burner and heating plants, used wherever automatic valve-proving is mandated ahead of the solenoid valves.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.