



MC 100 Payload Control System

for forklifts and other material handling equipment

Features:

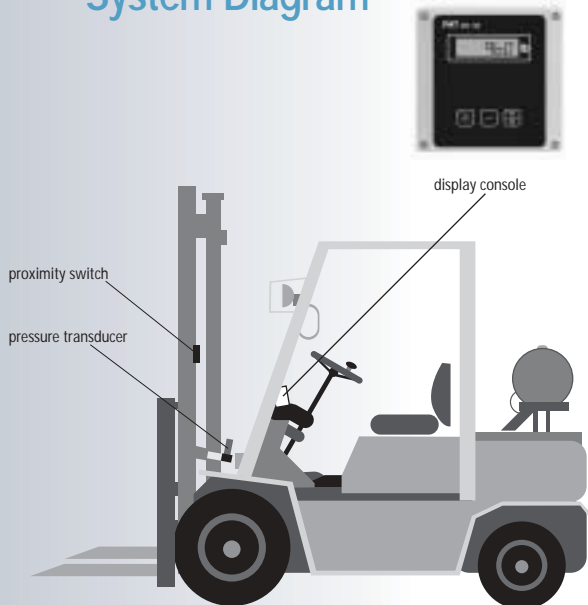
- In-cab display of load or total load
- Running total optimizes truck capacity
- Provides stable load display through time-averaged sample
- Tare feature displays sample net load
- User-friendly display with foil keypad

PAT MC 100 Payload Control System displays actual and total load

The MC 100 displays the load being lifted as well as the total load, which is stored into memory. A red LED flashes when the actual load reaches 90% of the limit value; remains constant at 100%. The net load can be displayed by pressing the tare button. The MC 100 measures the load with a hydraulic pressure transducer or with load pins, load cells, and tensionmeters.



MC 100 Payload Control System Diagram



Product Support

Like all PAT products, the MC 100 is designed and built to operate under rugged conditions. All parts are modular and interchangeable. Should a malfunction occur, repair by PAT or your local stocking distributor is fast and simple.

PAT offers a wide range of advanced computerized systems for improving the operating efficiency of cranes, dumpsters, fork lifts, haul trucks and other equipment.

Technical Data MC 100:

Supply voltage	12 or 24Vdc \pm 20% with integrated overvoltage protection
Current consumption	approx. 80mA
Working temperature range	-25°C to +70°C (-13°F to + 158°F)
Relative humidity	max. 95%/40°C (104°F), not cond.
Display	numerical LCD, 6 characters, character height 12mm, with LED-background lighting
Accuracy	>1.0%, depending on selected sensor
Sensors	tension or pressure sensor, 4–20mA input
Tare	push-button, 0 to 100%, indicated by green LED
Limits	max. 2 limits, flashing red LED for 90% prewarning and constant light for 100% warning, one isolated relay output for each limit (1 changeover contact 30Vdc/1A), limit can be set internally
Load totalization	manual by push-button or external button
Analog inputs	1 or 2 analog inputs for voltage or current input signal, operation mode: a) 1 sensor only b) with 2 sensors only summing mode available (internally adjustable), AD-converter resolution 12 bit
Digital inputs	2 digital inputs 20-30Vdc for control functions (e.g. for hold function)
Reference voltage	7.8 Vdc/20mA, for external, passive sensors (e.g. potentiometric length or angle sensors)
Supervision	by microprocessor, displayed error codes, power-on-check
Proof protection	IP65
Interconnection	directly, 2 Pg 22-connectors (optional junction box may be required for certain applications)
Housing dimensions	140x140x70mm

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Your PAT Representative is: