

Multifunction Pressure Calibrator Delta MPC200



- Combines an advanced multi-function calibrator and HART communicator with world-class pressure measurement and generation.
- Multi-function capabilities: electrical, frequency, temperature and pressure
- Individual components can be used as stand-alone instruments
- Allows significant inventory reductions
- Simplifies training and improves operator safety Reduces cost of ownership

Function	Range / Values
Display	Backlit LCD Display size 60 mm x 60 mm (160 x 160 pixels)
Keypad	Membrane Keypad to enter the values of current, voltage, frequency, resistance, TC, RTD etc.
Loop Supply	Inbuilt Loop power supply function.
MEASUREMENT PARAMETERS	
Voltage Measurement Range	0 to 60 V DC (Accuracy: 0.02% of Reading)
Current Measurement Range	0 to 100 mA (Accuracy: 0.02% of Reading)
Resistance Measurement Range	0 to 4000 ohm
Frequency Measurement Range	0.0027 to 50000 Hz
Pulse Measurement Range	0 to 9 999 999 pulses
Measurement & simulation	Measure all types of RTDs, Thermocouple & simulate +24VDC Loop supply
Switch Test	Switch Test Can be done
GENERATION PARAMETER	
Voltage Generation Range	mV Range: -25 to 150 mV, V Range: -3 to 12 V
Current Generation Range	Range: 0 to 25 mA
Resistance Generation Range	Range: 0 to 4000 ohm
Frequency Generation Range	Range: 0.0005 to 10000Hz

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Pulse Generation Range	Range: 0 to 9 999 999 pulses
RTD/TC/ Loop Supply	Source all types of RTDs, Thermocouple & 24VDC Loop supply.
PRESSURE PARAMETER	
Pressure measurement	0 to 200 bar.
Pressure measurement accuracy	Accuracy : ± 0.05 % of Full scale
Resolution	0.01 bar
Maximum over pressure	2 X Pressure range
High Pressure Facility	Calibrator can measure & source Pressure up to 690 bar with the External Pressure Measurement Module (EPPM690)
Pressure Port	1/8" BSP/NPT male. Loose connector will also come to meet process requirement.
Pressure Units available:	Mbar, bar, psi, kgf/cm ² , mmH ₂ O, cmH ₂ O, mH ₂ O, iWC, mmHg, cmHg, mHg, inHg.
Operating Temperature	-10°C to 55°C
Hydraulic Pressure Generator Hand pump :	
a) Range	0 to 700 bar
b) Pressure Media	Mineral oil Or Distilled water.
c) Outlet threads	G 3/8" F (ISO 228/1), G1/4" F (with adaptor)
d) Item Type	Hand held with Scissor Action with high pressure / priming selector knob.
e) Reservoir material	Transparent Acrylic.
f) Reservoir capacity	150cc
g) Pressure Knobs	1) Fine adjustment pressure control Valve. 2) Pressure vent valve.
h) Hose	High pressure hose with 1/4" NPT
i) Safety valve	Safety Relief valve for over pressure protection.
j) Material Of Construction	External pressure pump will have SS part with shut-off/ relief valve to control the pressure and for the over pressure to the module safety purpose. The pump should will also have fine adjust hand wheel for fine regulation and Venting.
Calibration Certificate	National traceable calibration certificate.
Pressure Port	1/8" BSP/NPT female
Weight	2.9 kg
Battery type	Rechargeable NiMH pack of minimum 4000 mAh, 3.6 V DC & Battery operation time : 12 hrs in measurement mode, 10 hrs in Generation Mode
Included Accessories	<ol style="list-style-type: none"> 1. User Manual in Hard Copy & CD 2. Test leads & Alligator clips 3. Universal AC adapter 4. Pressure T-hosen set 5. Rechargeable Dry battery cartridge 6. Hard Carrying case