

Аналоговые датчики и цифровые индикаторы МРСЕ

Технические характеристики

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Digital Pressure Indicators

Pneumatic / Hydraulic

MPCE-IN100

Portable / Handheld

Ideal Lab/Site Tool for checking & Calibration of Pressure Gauges, Receiver Gauges & Loops etc.

SALIENT FEATURES

7 Segment 5 Full Digit High Contrast Customized LCD Display
 11 Engineering Units
 Over Pressure Protection : 105% of specified Range
 Pressure Transducer – all Media compatible with SS316



SPECIFICATIONS

Ranges	Pneumatic	-1 to 2 / 10 / 25/ 35 / 40 / 60 bar
	Hydraulic	0 to 70 / 100 / 200 / 350 / 700 / 1000 bar
Accuracy	±0.1% F.S.	
Display Resolution	Minimum 4½ digits	
Display	7 Segment 5 Full Digit High Contrast Customized LCD Display	
Engineering Units	Kg/cm2, bar, psi, kPa, inHg, inH ₂ O, mmHg, mmH ₂ O, mbar, Pa, MPa	
Pressure Connection	1/4" BSP (M)	
Over Pressure Alarm	105% FS (Visual)	
Type of Pressure & Media Compatibility	Gauge & Compound Non-Corrosive Dry Gases or Liquid Compatible with SS 316 Standard Stainless Steel	
Battery Type & Life	7.5 VDC Internal Alkaline Battery; Approx. 600 Hours	
Low Battery Indication	Provided	
Casing	Aluminium Anodized	



Range (bar)	Pressure / Engineering Units – Resolution										
	Kg/Cm ²	bar	PSI	KPa	inHg	inH ₂ O	mmHg	mmH ₂ O	mbar	Pa	MPa
2	0.0001	0.0001	0.001	0.01	0.01	0.01	0.1	1	0.01	1	0.0001
10 ~ 70	0.001	0.001	0.01	0.1	0.1	1	1	1	1	1	0.0001
100 ~ 700	0.01	0.01	0.1	1	1	1	1	1	1	1	0.001
1000	0.1	0.1	1	1	1	1	1	1	1	1	0.01

STANDARD INCLUSIONS

- Pressure Indicator
- 7.5 VDC Alkaline Battery
- Traceable Calibration Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards
- Quick Connector
- Carrying Case
- Set of Adaptors

1/4" BSP(F) X 1/4" BSP (M) 1/2" BSP(F) X 1/4" BSP (M) 3/8" BSP(F) X 1/4" BSP (M) 1/8" NPT(F) X 1/4" BSP (M) 1/4" NPT(F) X 1/4" BSP (M) 1/2" NPT(F) X 1/4" BSP (M) 3/8" NPT(F) X 1/4" BSP (M)	}	BSP NPT
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Digital Pressure Indicators

Pneumatic / Hydraulic

MPCE-IN200

Portable / Handheld

Ideal Lab/Site Tool for checking & Calibration of Pressure Gauges, Receiver Gauges & Loops etc.

SALIENT FEATURES

4 Full Digit High Contrast Customized LCD Display
Multiple Engineering Units
Over Load Capacity 120% F.S.
Pressure Transducer – all Media compatible

SPECIFICATIONS

Ranges	Pneumatic	-1 to 2 / 10 / 25/ 35 / 40 / 60 bar
	Hydraulic	0 to 70 / 100 / 200 / 350 / 700 / 1000 bar
Accuracy	±0.1% F.S.	
Dial Size	80mm	
Display	4 Full Digit High Contrast Customized LCD Display	
Engineering Units	Refer below table	
Pressure Connection	½" BSP (M)	
Type of Pressure & Media Compatibility	Gauge & Compound Non-Corrosive Dry Gases or Liquid Compatible with Stainless Steel	
Battery Type	3 VDC Alkaline batteries	
Low Battery Indication	Provided	



Range (bar)	Pressure / Engineering Units – Resolution										
	bar	Mpa	mH ₂ O	mmHg	inH ₂ O	inHg	Torr	kPa	PSI	Kg/Cm ²	mbar
-1 to 2	0.001	--	0.01	1	0.1	0.01	1	0.1	0.01	0.001	1
-1 to 10	0.001	0.0001	0.01	1	1	0.1	1	0.1	0.01	0.001	--
-1 to 25, 40	0.01	0.001	0.1	0.1	--	--	--	1	0.1	0.01	--
-1 to 60	0.01	0.001	0.1	1	--	--	--	1	0.1	0.01	--
0 to 70, 100, 200	0.1	0.01	1	--	--	1	--	--	1	0.1	--
0 to 350, 400, 700	0.1	0.01	1	--	--	--	--	--	1	0.1	--
0 to 1000	1	0.1	--	--	--	--	--	--	--	1	--

STANDARD INCLUSIONS

- Pressure Indicator
- 1.5 VDC Alkaline Battery
- Traceable Calibration Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards
- Quick Connector
- Carrying Case
- Set of Adaptors

• ¼" BSP(F) X ¼" BSP (M) • ½" BSP(F) X ¼" BSP (M) • ¾" BSP(F) X ¼" BSP (M) • ⅛" NPT(F) X ¼" BSP (M) • ¼" NPT(F) X ¼" BSP (M) • ½" NPT(F) X ¼" BSP (M) • ¾" NPT(F) X ¼" BSP (M)	}	BSP NPT
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Economy Pressure Indicators

Pneumatic

Ideal Lab / Site Tool for checking & Calibration of Pneumatic Pressure / Differential Pressure Gauges / Switches / Transmitters / Receiver Gauges etc.

SALIENT FEATURES

Digital Pressure Indicator
Silicon Keys
Selectable Engineering Pressure Units
DC Current Measurement
Switch Test capability & Zero Offset facility
Pressure Transducer – all Media compatible with SS316
Low Battery Indication
Auto Power Off
Rugged Protection Holster
Ingress Protection Rating : IP 52

IP 52
RATED

MPCE-I-P



SPECIFICATIONS

Ranges	-1 to 2 / 10 / 20 / 35 / 40 / 60 bar
Accuracy	±0.1% F.S.
Display Resolution	Minimum 4½ digits
Display	7 Segment FSTN (Large) Display
Engineering Units (12)	Refer Table below
mA Input	0 to 25 mA DC (Active)
Process Connection	½" BSP (M)
Over Pressure Alarm	105% FS (Audio / Visual)
Battery Type	9 Volts Alkaline

7 SEGMENT CLASSIFICATION OF ENGINEERING UNITS

Range (bar)	Pressure / Engineering Units – Resolution											
	inH ₂ O	mH ₂ O	cmH ₂ O	mmH ₂ O	inHg	mmHg	Mbar	kPa	Mpa	bar	Kg/cm ²	psi
2	0.1	0.01	1	1	0.001	0.1	1	0.1	0.001	0.001	0.001	0.01
10	1	0.1	1	--	0.1	1	1	1	0.001	0.001	0.001	0.01
20 ~ 35	1	0.1	--	--	0.1	--	1	1	0.001	0.01	0.01	0.1
40	1	0.1	--	--	1	--	--	1	0.001	0.01	0.01	0.1
60	1	0.1	--	--	0.1	--	--	1	0.001	0.01	0.01	0.1

STANDARD INCLUSIONS

- Pressure Indicator
- Test Leads & Seals Kit
- 9V Alkaline Battery
- Traceable Calibration Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Hand Pump + Hose with End Fittings
- Quick Coupling
- USB Interface
- Rechargeable Battery with External Charger
- 'Calpress' Calibration Software with Cable
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards
- Carrying Case
- Set of Adaptors

1/8" BSP(F) X 1/4" BSP (M) 1/2" BSP(F) X 1/4" BSP (M) 3/8" BSP(F) X 1/4" BSP (M) 1/4" NPT(F) X 1/4" BSP (M) 1/2" NPT(F) X 1/4" BSP (M) 3/4" NPT(F) X 1/4" BSP (M)	}	BSP NPT
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Economy Pressure Indicators

Hydraulic

Ideal Lab / Site Tool for checking & Calibration of Hydraulic Pressure /
Differential Pressure Gauges / Switches / Transmitters / Receiver Gauges etc.

SALIENT FEATURES

Digital Pressure Indicator
Silicon Keys
Selectable Engineering Pressure Units
DC Current Measurement
Switch Test capability & Zero Offset facility
Pressure Transducer – all Media compatible with SS316
Low Battery Indication
Auto Power Off
Rugged Protection Holster
Ingress Protection Rating : IP 52

IP 52
RATED



SPECIFICATIONS

Ranges	0 to 70 / 100 / 200 / 250 / 350 / 700 / 1000 bar
Accuracy	±0.1% F.S.
Display Resolution	Minimum 4½ digits
Display	7 Segment FSTN (Large) Display
Engineering Units (12)	Refer Table below
mA Input	0 to 25 mA DC (Active)
Process Connection	½" BSP (M)
Over Pressure Alarm	105% FS (Audio / Visual)
Battery Type & Life	9 Volts Alkaline

7 SEGMENT CLASSIFICATION OF ENGINEERING UNITS

Range (bar)	Pressure / Engineering Units – Resolution											
	inH ₂ O	mH ₂ O	cmH ₂ O	mmH ₂ O	inHg	mmHg	Mbar	kPa	Mpa	Bar	Kg/cm ²	psi
70	1	0.1	--	--	1	--	--	1	0.001	0.01	0.01	0.1
100	--	1	--	--	1	--	--	1	0.01	0.1	0.1	1
200 ~ 350	--	1	--	--	1	--	--	--	0.01	0.1	0.1	1
700	--	1	--	--	--	--	--	--	0.01	0.1	0.1	1
1000	--	1	--	--	--	--	--	--	0.1	1	1	1

STANDARD INCLUSIONS

- Pressure Indicator
- Test Leads & Seals Kit
- Traceable Calibration Certificate
- 9V Alkaline Battery
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Hand Pump + Hose with End Fittings
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- Set of Adaptors

½" BSP(F) X ¼" BSP (M) ½" BSP(F) X ¼" BSP (M) ¾" BSP(F) X ¼" BSP (M) ½" NPT(F) X ¼" BSP (M) ¾" NPT(F) X ¼" BSP (M) ½" NPT(F) X ¼" BSP (M) ¾" NPT(F) X ¼" BSP (M)	}	BSP NPT
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