

## Diaphragm

**MIEPL** make mud pressure gauges are extremely accurate and widely used in the harshest environments.

Our mud pressure systems monitor the pump pressure for a variety of pumps and applications mainly into Oil drilling machines with high corrosive area such H<sub>2</sub>S to insure that you are getting the most out of your drilling fluids. Our fixed pointer systems use a large gauge to detect the slightest pressure changes, and the compound pointer system uses separate needles to detect the smallest pressure changes.



### FEATURES

- Rugged construction
- Moving dial system

### APPLICATION

- Mud pumps
- Petroleum industries
- Well drilling

### REFERENCE

- EN 837-3

### STANDARD SPECIFICATIONS

Dial size	: DN100
Range	: 0...40 bar, 0...60 bar, 0...100 bar : 0...160 bar, 0...250 bar, 0...400 bar : 0...600 bar, 0...800 bar
Mounting pattern	: Direct, Bottom connection
Process connection	: 2" NPT (M)
Ingress protection	: IP 65
Execution	: Dampening glycerin liquid filled

### STANDARD PARAMETERS

Accuracy	: CL 2.5
Ambient Temperature	: -20...+65°C
Service Temperature	: 65°C max.

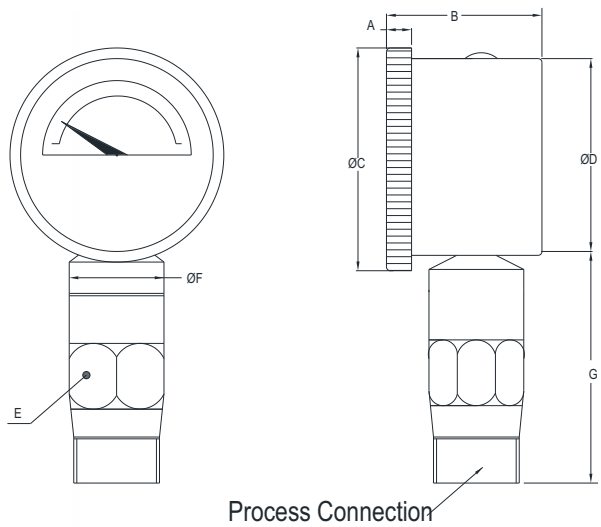
### MATERIAL OF CONSTRUCTION

Sensing Element	: Diaphragm
Case & Ring material	: Gun metal casting, grey hammertone finish, screwed
Diaphragm	: Stainless Steel
Diaphragm protection	: Rubber
Shank	: Anti-corrosion treated mild steel
Movement mechanism	: Stainless Steel
Dial	: Aluminum, stove enameled white, with black marking
Gaskets	: Neoprene
Window	: Plexi glass

### TEMPERATURE EFFECT

Please refer clause no 9.3 of EN 837-1

## DRAWING



DN	10
A	51
B	115
ØC	125
ØD	250
E	65
ØF	65
H	125
Weight (gm)	3470

## ORDERING CODE

MP31 - **D** - **XXX** - **1A** - **8NM** - **IP2** - **E4**

1. DIAL SIZE	100 mm / 4"	<b>D</b>				
2. RANGE	Refer "Range Table"		<b>XXX</b>			
3. MOUNTING PATTERN	Direct, Bottom connection			<b>1A</b>		
4. PROCESS CONNECTION	1½" NPT (M)				7NM	
	2" NPT (M)				<b>8NM</b>	
	1½" BSP (M)				7BM	
	2" BSP (M)				8BM	
5. INGRESS PROCESS	IP 65					<b>IP2</b>
6. EXECUTION	Dampening liquid filled, glycerine					<b>E4</b>

Ordering Example : **MP31 - D - XXX - 1A - 8NM - IP2 - E4**