

Isolated Physiologic Pressure Transducers



Specifications

Pressure Range	-50 to +300 mmHg
Over-Pressure Tolerance	10,000 mmHg
Bridge Resistance:	
Input Resistance	1,000 W, nominal
Output Resistance	350 W, nominal
Excitation Voltage	Up to 10 VAC or DC rms max., up to 5 kHz
Zero Offset	±40 mmHg, max.
Sensitivity	5 µV/V mmHg ±1%
Thermal Coefficient:	
Of Sensitivity	±0.1 %/°C
Of Zero	±0.3 mmHg/°C
Electrical Leakage	> 2 µA at 120 VAC, 60 Hz
Defibrillator Withstand	400 watt-seconds, max. across 50 W load
Volume Displacement	0.04 mm ³ /100 mmHg pressure
Non-Linearity	±1.5 mmHg/0 to 30 mmHg
Hysteresis	±0.1 mmHg/0 to 10 mmHg
Cable Length	3.7 m (12 ft)
Operating Temperature	20° to 40°C (68° to 104°F)

- Ideal for measuring pressure from venous through atrial ranges
- Available in P23XL standard or P10EZ miniature size
- For use with:
 - Harvard Amplifier
 - HSE-Harvard PLUGSYS Modules
 - V 9100 Multigas Monitor
 - Grass Amplifiers
 - Protocol Propac Monitor
 - Gould Electronic 6600 and 4600 series of amplifiers

These solid state isolated pressure transducers measure from -50 to +300 mmHg with a 100 mmHg shunt cal resistor. Safety is assured by an isolated sensing mechanism and plastic case. They are defibrillator protected. These transducers are supplied individually with two reusable polycarbonate domes and an interface cable. Select the transducer based on you required size, pressure and equipment to be used.

Transducer interface cables with integral connector are also sold separately. This permits the same transducer to be connected to different equipment. Simply purchase the necessary interface cable based on the equipment you will be using. The cable is 3.7 m (12 ft) long with a mating connector for instrument specified. Replacement reusable polycarbonate domes are available separately. They are supplied individually non-sterile (may be sterilized a limited number of times). Disposable diaphragm domes are also available and are supplied in a box of 12, individually packaged.

For Research Grade Isometric Transducers

For Research Grade Isotonic Transducer

Isolated Physiologic Pressure Transducer			
Amplifier	Transducer with Interface Cable		Interface
	Standard P23XL	Miniature P10EZ	Cable Only
Harvard	CGS-8024.72	CGS-8132729	CGS-81.72
HSE-Harvard*	CGS-8125.72	CGS-813.729	CGS-81.72
9100 Multigas	Descontinuado CGS-8126.72	Descontinuado CGS-8134.72	Descontinuado CGS-8142.72
Grass	CGS-8127.72	CGS-8135.72	CGS-8143.72
Propac	CGS-8128.72	CGS-8136.72	CGS-8144.72
Gould 4600	CGS-8129.72	CGS-8137.72	CGS-8145.72
Gould 6600	CGS-8130.72	CGS-8138.72	CGS-8146.72
Transducer Only	CGS-8131.72	CGS-8139.72	-

Catalog No.	Product
CGS 8147.72	P10EZ Miniature Reusable Polycarbonate Dome, Luer Lock Fitting, pkg. of 1
CGS 8148.72	P10EZ Miniature Disposable Diaphragm Dome, Rotating Luer Lock Fitting, pkg. of 12
CGS 8149.72	P23XL Standard Size Reusable Polycarbonate Dome, Linden Fitting, pkg. of 1
CGS 8150.72	P23XL Standard Size Disposable Diaphragm Dome, Rotating Luer Lock Fitting, pkg. of 12
CGS 8151.72	P23XL Standard Size Disposable Diaphragm Dome, Standard Linden Fitting, pkg. of 12
CGS8152.72	Interface Cable, Universal Connector to Tinned Leads (no connector), For Use with Other Equipment, Mating Connector Required