
 TI3270en	<b>Product Information</b>	
<b>PDE2- Series (PG)</b>	<b>Air Differential Pressure Gauge display only</b>	

The PDE2- Series (PG) is designed to measure and indicates pressure or differential pressure in HVAC systems with non-flammable gases and non-aggressive gases

The main applications are monitoring of fans and filters in HVAC systems

The PDE2- Serie can indicates positive, negative or differential pressures

The devices are for displaying the difference pressure only and have no output

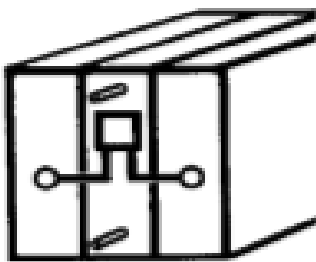
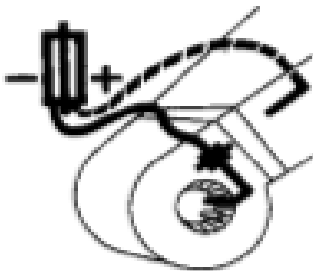




<b>USE</b>	Large, easy to read display
	Indicates positive, negative and differential pressure
	Indicates pressure in fan- and filter differential pressure applications or pressure in rooms
	Wide selection of pressure ranges available
	Designed for panel mounting
	Suitable for laboratory application

<b>Features</b>	Large and clear display
	Long-term stability of the measuring elements
	Professional and practical product design, withstands rough environmental conditions
	Easy to use, install and maintain

<b>Product Range</b>	Order Code	Measuring Range	Accuracy	max. over pressure	Position Dependency	Max. Overpressure	tube (inner diameter)
	PDE2.LD	0...60Pa	±4% of Full Scale Value	100kPa	only vertical mounting*	Max. 10kPa	ø5mm
	PDE2.MD	0...100Pa	±3% of Full Scale Value	100kPa	only vertical mounting*	Max. 10kPa	ø5mm
	PDE2.OD	0...250Pa	±3% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm
	PDE2.PD	0...500Pa	±3% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm
	PDE2.QD	0...1000Pa	±2% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm
	PDE2.RD	-30...30Pa	±4% of Full Scale Value	100kPa	only vertical mounting*	Max. 10kPa	ø5mm
	PDE2.SD	-60...60Pa	±4% of Full Scale Value	100kPa	only vertical mounting*	Max. 10kPa	ø5mm
	PDE2.TD	-120...120Pa	±3% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm
	PDE2.UD	-250...250Pa	±3% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm
	PDE2.VD	-500...500Pa	±2% of Full Scale Value	100kPa	independent	Max. 10kPa	ø5mm

Sensor Specification	Sensor Specification	Measured	Air Differential Pressure
		Sensor Characteristics	n.a.
		Sensor Output	n.a.
		Measuring Range	See Product Range, Page 1
		Accuracy	See Product Range, Page 1
		Max. Overpressure	1.7bar (relief plug opens)
Technical Information	Mechanical Information	Connection Nozzle	Ø3.2 female NPTm, L=10mm
		Sensing Element Position	Internal
	User Interface	Analog display	Needle type
	Color and Material	Housing	Die Cast, grey
		Display Cover	Acryl, transperant
		Diapphram	Silicone, emission free
	Environmental Condition	Operation Temperature	-7°C...+60°C
		Operation Humidity	<85% r.h., no condensation
		Transport Temperature	-10°C...+60°C
		Transport Humidity	< 90% r.h.
		Storage Temperature	-10°C...+60°C
		Storage Humidity	< 85% r.h., no condensation
	Norms and Directives	IP- Rating	IP54 according to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	n.a.
		Product Standard 2	n.a.
		RoHS Compatibility	RoHS 3, Directive 2015/863
		CE Conformities	n.a.
		Emitted Interference	n.a.
		Interference Resistance	n.a.
		Transport to Climatic Condition	IEC 60721-3-2
		Transport Mechanical Condition	IEC 60721-3-2 to class 2M2
		Storage Climatic Condition	IEC 60721-3-1
		Storage Mechanical Condition	IEC 60721-3-1 to class 2M2
Miscellaneous	Accessories	Mounting Kit, Included in delivery	2 connection nozzels
	Shipping & Handling	Packaging Material	Rigid Cardboards
	Order Notes	Order Code	e.g. PDE2.LD

	<div><div>Installation Notes</div><div>Observe the following general regulation for engineering and implementation:</div><div><div><div><div>!</div></div><div>Caution</div></div><div>All relevant national regulation</div><div>Other country specific regulations</div><div>Country-specific regulations</div><div>Schematics, cable listings, dispositions, specification and arrangements</div><div>from the customer or engineering office in charge</div><div>Third party specifications, e.g. general contractors or constructors</div></div></div>
	<div><div>Mounting Advices</div><div><div><div><div>!</div></div><div>Caution</div></div><div><div></div><div></div></div></div></div>
	<div><div>Disposal Notes</div><div><div>The device is considered an electronic device for disposal in terms</div><div>of the EUROPEAN DIRECTIVE 2012/19/EU.</div><div><div></div><div>The device may not be disposed as domestic garbage.</div><div>The device must be disposed through channels provided for this purpose.</div><div>It is mandatory to complying with local currently applying laws and regulations.</div></div></div></div>
Dimensional Drawing	<div><div></div></div>
<div><div>All Information and technical data are subject to alternation</div><div>PDE2- Series (PG) V23.1</div><div>Thermokon Asia Pacific</div><div>Page 3/3</div></div>	