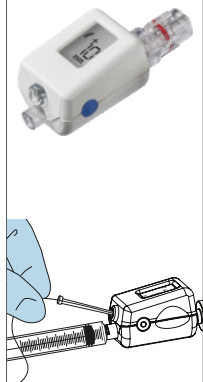

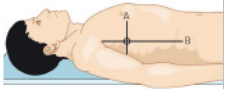



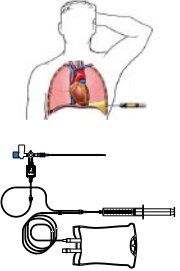


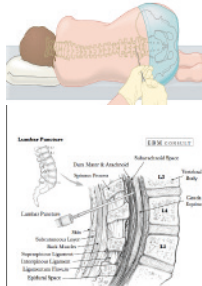





# Compass Digital Pressure Transducer

## Procedure grid

Model/ reference	Picture	Features	Benefits	Procedure	Usage location/ landmarks	Normal/abnormal readings	Call point	Product brochure	
Compass Universal CUHG1-INT		<ul style="list-style-type: none"> <li>Blue button</li> <li>Additional port for guidewires (maximum diameter: 0.096 cm)</li> <li>Female proximal luer lock connector</li> <li>Male distal rotating luer lock connector</li> </ul>	<ul style="list-style-type: none"> <li>Simple, quick and easy installation</li> <li>Real-time pressure monitoring</li> <li>Provides precise measurements, eliminating the need for unit conversion</li> <li>Quick digital display</li> <li>Accurate and quantifiable results in real time</li> <li>Universal and secure luer lock connections</li> <li>Compact and easy-to-use device</li> <li>Training is simple and direct</li> <li>Single-use, simple and practical sterile packaging</li> <li>Latex-free</li> </ul>	<b>Central line insertion (CVC)</b>		<p>Venous pressure is generally under 15 mmHg and non-pulsatile.</p> <p><b>Abnormal values</b></p> <p>If the needle enters the artery, pressure will spike and be pulsatile.</p>	<p>Emergency room (ER), intensive care units (ICUs) interventional radiology (IR) and vascular surgery/medicine</p>		
				<b>Central venous pressure (CVP)</b>		<p>There is no magic number. Clinicians look for a trend over time. As a ballpark value, 2 – 8 mmHg is normal and 8 – 12 mmHg is the goal for sepsis management.</p>			
				<p><b>Compartment pressure</b></p> <ul style="list-style-type: none"> <li><b>Compartment syndrome</b></li> </ul>		<p>The normal value for an adult is 0 – 10 mmHg.</p> <p><b>Abnormal values</b></p> <p>There is no magic number for a definitive diagnosis of compartment syndrome. There are two schools of thought on the threshold to perform a fasciotomy:</p> <ul style="list-style-type: none"> <li><b>Absolute pressure:</b> A fasciotomy is performed when compartment pressure reaches a specific number (some physicians operate at 30 mmHg, others wait until 45 mmHg). Along with the 5Ps, an ICP &gt; 30 mm Hg is considered to be clinically significant for compartment syndrome.</li> <li><b>Pressure gradient:</b> Physicians consider the patient's diastolic pressure. For example, they perform a fasciotomy when the compartment pressure is within 20 mmHg of the diastolic pressure. The decision of when/where to perform a fasciotomy is ultimately determined by the physician.<sup>1,2,3</sup></li> </ul>			

Model/reference	Picture	Features	Benefits	Procedure	Usage location/landmarks	Normal/abnormal readings	Call point	Product brochure
Compass Thoracentesis CTHR002-INT		<ul style="list-style-type: none"> <li>Green button</li> <li>Female proximal luer lock connector</li> <li>Male distal rotating luer lock connector</li> </ul>	<ul style="list-style-type: none"> <li>Simple, quick and easy installation</li> <li>Real-time pressure monitoring</li> <li>Provides precise measurements, eliminating the need for unit conversion</li> <li>Quick digital display</li> <li>Accurate and quantifiable results in real time</li> <li>Universal and secure luer lock connections</li> <li>Compact and easy-to-use device</li> <li>Training is simple and direct</li> <li>Single-use, simple and practical sterile packaging</li> <li>Latex-free</li> </ul>	<b>Thoracentesis</b>	<b>Right or left pleural space</b> 	<ul style="list-style-type: none"> <li>Normal adult pleural pressure: -9 to -11 cmH<sub>2</sub>O</li> <li>Normal children pleural pressure: -3 to -6 cmH<sub>2</sub>O</li> <li>Normal liquid level contained between the 2 pleura for an adult: 10 – 20 ml</li> <li>Fluid can be drained until the mean pleural pressure decreases to -20 cmH<sub>2</sub>O</li> </ul>	ER, ICU, thoracic surgery and pneumology	
Compass Lumbar CLPH20001-INT		<ul style="list-style-type: none"> <li>Green button</li> <li>Female proximal luer lock connector</li> <li>Male distal luer slip connector</li> </ul>	<ul style="list-style-type: none"> <li>Simple, quick and easy installation</li> <li>Real-time pressure monitoring</li> <li>Universal and secure luer lock connections</li> <li>Provides precise measurements, eliminating the need for unit conversion</li> <li>Quick digital display</li> <li>Accurate and quantifiable results in real time</li> <li>Universal and secure luer lock connections</li> <li>Compact and easy-to-use device</li> <li>Training is simple and direct</li> <li>Single-use, simple and practical sterile packaging</li> <li>Latex-free</li> <li>Stable when using a guidewire (prevents disconnection of guidewire)</li> </ul>	<b>Lumbar puncture</b> <ul style="list-style-type: none"> <li><b>Diagnostic:</b> Lumbar puncture for CSF sampling for meningitis, tumours, cancer, sclerosis, haemorrhage hydrocephalus, stroke, Guillain-Barre syndrome etc.</li> <li><b>Therapeutic:</b> Measuring and monitoring intracranial pressure Reduce excess intracranial pressure Difficult lumbar punctures</li> </ul>	<b>Lumbar space: L3/L4, L4/L5, L5/S1</b> 	<ul style="list-style-type: none"> <li>Intracranial pressure (ICP) adult/children over 10 years: 7 – 18 cmH<sub>2</sub>O</li> <li>ICP young children: from 3 – 7 cmH<sub>2</sub>O</li> <li>Neonatal ICP: 1 – 6 cmH<sub>2</sub>O</li> <li>ICP can reach 25 cmH<sub>2</sub>O for obese patients</li> <li>Abnormal values: Pressure below 5 cmH<sub>2</sub>O or above 25 cmH<sub>2</sub>O For every 1 ml of CSF removed, the ICP decreases by 1.5 cmH<sub>2</sub>O</li> </ul>	Paediatric ER, ICU, IR neurology and neurosurgery	

Device	Measurement (range)	Measurement (unit)	Guidewire port	Connection	Duration of use	Packaging
Compass UniversalHg	-199 – +999	mmHg	Yes	Luer lock	< 60 minutes	5 ea/bx
Compass for Lumbar Puncture	-199 – +199	cmH <sub>2</sub> O	No	Luer slip	< 60 minutes	5 ea/bx
Compass for Thoracentesis	-500 – +500	cmH <sub>2</sub> O	No	Luer lock	< 60 minutes	5 ea/bx



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<sup>1</sup> <https://www.ncbi.nlm.nih.gov/books/NBK448124/>

<sup>2</sup> <https://www.dovepress.com/compartiment-syndrom-solutions-and-challenges-peer-reviewed-fulltext-article-ORR>

<sup>3</sup> <https://www.ncbi.nlm.nih.gov/books/NBK553901/>

Compass UniversalHG is a class IIa medical device intended to be used by healthcare professionals. **Before use, consult instructions and precautions on the corresponding labelling.**

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