

General specifications							
Device name	CARBAS						
Model name	LDT3						
Order number	33.xxx						
Measuring ranges	<ul style="list-style-type: none"> <li>• 2 / 20 mbar - difference</li> <li>• 5 / 50 mbar - difference</li> <li>• 20 / 200 mbar - difference</li> <li>• 50 / 500 mbar - difference</li> <li>• 200 / 2000 mbar – difference</li> <li>• 500 / 5000 mbar – difference</li> </ul>						
Accuracy	± 1,0% rd. + 0,5% fs. – 1. range ± 0,5% rd. + 0,5% fs. – 2. range						
Dynamics	1:10 (10...100%)						
Resolution (range 1 / range 2)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">0,002 / 0,01 mbar</td> <td>up to full scale 50 mbar</td> </tr> <tr> <td>0,02 / 0,1 mbar</td> <td>up to full scale 500 mbar</td> </tr> <tr> <td>0,2 / 1 mbar</td> <td>up to full scale 5 bar</td> </tr> </table>	0,002 / 0,01 mbar	up to full scale 50 mbar	0,02 / 0,1 mbar	up to full scale 500 mbar	0,2 / 1 mbar	up to full scale 5 bar
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0,02 / 0,1 mbar	up to full scale 500 mbar						
0,2 / 1 mbar	up to full scale 5 bar						
Additional selectable units	kPa, PSI, Torr, inHg Range switching only possible in the mbar range!						
Sensor technology	Piezoresistive sensor, temperature compensated						
Pressure direction	Bidirectional sensor The positive overpressure at port P+ is calibrated						

Signal outputs	
Digital output	USB serial converter integrated, bidirectional communication

Power supply	
Internal power supply	Li-Ion Akku / 3,6V / 750 mAh
External power supply	5 DC / regulated, via USB port
Max. battery life	15 hours
Charging time	<ul style="list-style-type: none"> <li>• 6 to 7 hours (switched off)</li> <li>• 8 to 9 hours (switched on)</li> </ul> Max. charging time 10 hours (automatic shutdown)
Max. charging current	600 mA

Operating limits	
Temperature range	0...50°C
Max. permissible pressure	Measuring ranges up to 100 mbar: 10 x full scale Measuring ranges up to 2 bar: 2 x full scale Measuring ranges up to 5 bar: 7 bar
Warm-up time	10 min for optimal results
Medium	Air and dry, non corrosive gases

USB interface	
USB port	USB type B / mini
Transmission parameters	Baud rate: 9600 Data bits: 8 Stop bits: 1 Parity: none Flow control: Xon / Xoff

Mechanical properties	
Pressure connections	Threaded nozzles hose connection: <ul style="list-style-type: none"> <li>• 6/4 (4mm inside) – standard</li> </ul> Hose connection with union nut: <ul style="list-style-type: none"> <li>• 6/4 (4mm inside)</li> </ul>
Dimensions	170 x 90 x 40 mm
Weight	260 g
Enclosure material	ABS
Protection class	Splash-proof IP65

Scope of supply	
Accessories (included)	<ul style="list-style-type: none"> <li>• USB power adapter: 5VDC 1000mA</li> <li>• USB cable: type A &lt;&gt; mini type B</li> <li>• Soft Case</li> </ul>

\* On request (not available for all devices / see onlineshop)