

Douglass

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POLYCARBONATE LEVEL TUBE

Polycarbonate tubes used in level gauges combine durability with optical clarity making them an ideal choice for monitoring fluid levels in a variety of settings. Polycarbonate is a tough thermoplastic which is easy to work with at high temperatures and is widely used in modern manufacturing due to its excellent characteristics and chemical resistance.



These products are primarily used in fluid level monitoring equipment where breakage is a possibility due to vibration or impact. Polycarbonate is a material that has been approved by the FDA and is widely used in water treatment, food and beverage processing, chemical and pharmaceutical industries.

TECHNICAL INFORMATION

Glass Type	Polycarbonate	
Manufacturing Parameters	Outside Diameter	1/2", 5/8", 3/4", 1", 1-1/2", 2", 2-1/4", 3", 3-1/2", 4"
	Wall Thickness	Varies by O.D. (see chart below)
	Minimum Length	1"
	Maximum Length	145"
Operation Parameters	Maximum working temperature	120°C
	Minimum working temperature	-40°C
	Thermal shock resistance	60 K
	Maximum working pressure	Consult a Zight Representative
Material Properties	Thermal Expansion Coefficient	70 x 10 ⁻⁶ / K
	Fragilization Temperature	-175°C
	Chemical Resistance	Varies by chemical (see chart below)

AVAILABLE SIZES

Outside Diameter	Wall Thickness	Outside Diameter	Wall Thickness
1/2"	1/8"	2"	3/16"
5/8"	1/8"	2-1/4"	3/16"
3/4"	1/8"	3"	1/4"
1"	1/8"	3-1/2"	1/4"
1-1/2"	3/16"	4"	1/4"

OUR WARRANTY

100% Satisfaction Guarantee

Warranty period

Douglass warrants merchandise against defective workmanship and materials that become apparent within a period of 12 months from the date of receipt of invoice by the purchaser (hereinafter referred to as the warranty period). All liabilities under the warranty provisions shall expire when the warranty period has expired.

Please feel free to contact us if you have any questions or comments.

We would love to hear from you!