

Top Hat™ Test Stations

Scope

This specification covers the material, physical/aesthetic dimensions, and mechanical properties of the top hat test station as provided by ACP International.

This product is meant to be a highly visible marker that houses a cathodic protection and/or cable location terminal.

Technical Descriptions, Design, and Material

The ACP International top hat shall completely cover the terminal board and be constructed of an opaque polycarbonate with fire protection, impact resistance, and UV stabilization.

The top hat shall fit snugly over the terminal board, but also be easily removable.

The concealed terminal shall be constructed of a clear, fire resistant polycarbonate so as to ensure maximum visibility from both sides without obstruction.

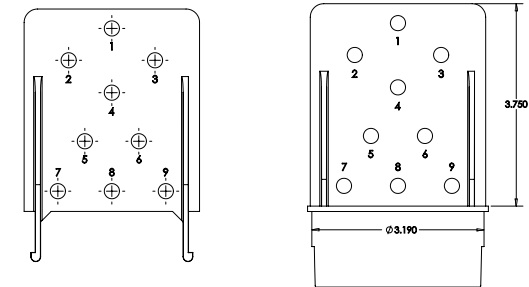
The terminal shall fit 3.5" OD riser pipe, have a high impact resistance, and 11 possible terminal ports.

The terminal shall be fitted with nickel-plated binding posts with excellent corrosion resistance.

Dimensions

The ACP International terminal board shall be 3.19" x 3.75" (81.03 mm x 92.25 mm). It shall fit around a a post of 3.5" OD.

The top hat shall be 5.1" x 4.4" (129.5 mm x 111.75 mm). It shall fit on top of the terminal board.



Terminal



IMPORTANT NOTICE: ACP International trusts that the user of the product has the most accurate knowledge of how the product might be most efficiently or safely utilized in any given application or environment.

ACP International trusts that the technical data and product information shown is based on thorough and accurate testing of the product, but is not liable for any loss or damage to the product (or by any other product, employee, or building from which the product might come into direct or indirect contact) resulting from an intentional or unintentional mishandling of the product.

Engineering Specifications

Top Hat Test Station



Drawn By:

J.Y. Rollins

Approved By:

M. Prince

Date:

03/14/23

Top Hat™ Test Stations

Mechanical Properties

Property	ISO	DIN	Unit	Test Method	Typical Values
Melt Volume-Flow Rate	1133		cm ³ /10 min	300° C x 1.2 Kg	15
Vicat Softening Temp.	306	53460	° C	1 Kg, 50 ° C /hr	148
				5 Kg, 50 ° C /hr	143
				1.80MPa, unanneal	127
H.D.T.	75	53461	° C	1.80MPa, anneal	142
Izod Impact Strength	180/1A	-	kJ/m ²	1/8" Notched	75
				1/8" Unnotched	75
Charpy Impact Strength	179	-	kJ/m ²	Notched	70
				Unnotched	-
Tensile Strength	527	53455	MPa	50mm/min, Yield	64
				50mm/min, Break	70
Tensile Elongation	527	53455	%	50mm/min	120
Flexural Strength	178	53452	MPa	2mm/min	90
Flexural Modulus	178	53452	MPa	2mm/min	2400
Ball Indentation Hardness	2039-1	53456	N/mm ²	H358/30	101
Flammability				UL-94	0.75mm V-2
					1.5mm V-2
Mass Density	1183	53479-A	g/cm ³		1.2

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