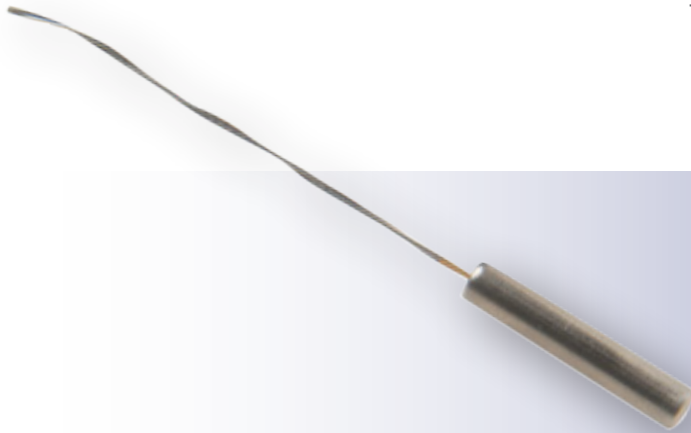


# 1MT116 & 1MT163 Indicator



The 1MT116 and 1MT163 Indicator, variations of the 1MT114 Piston Actuator, are designed to do no physical work.

*Instead, the piston for each device is used to show that stray current is present, another device has fired, or to indicate system status (armed, safe, etc.). The 1MT116 and 1MT 163 should not be fired under load because its piston extends with minimal force.*

## Characteristics

Some of the characteristics listed here are nominal; others are levels to which the units have been tested. There are no limits on design capabilities. Please consult an EaglePicher representative before using this data as a specification.

## Specifications

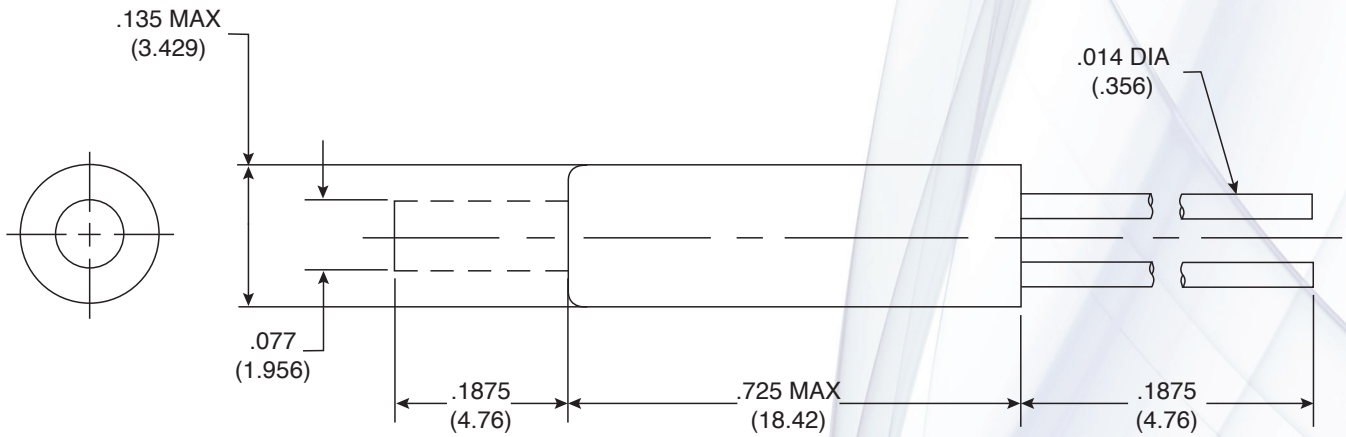
Electrical			
Insulation Resistance, Shunted Leads to Case		Before firing: 50 megohm Min. @ 500 Vdc After firing: 50,000 ohm Min. @ 50 Vdc	
Squib	Bridge Resistance* @70°F (21°C)	All-Fire Current @ -65°F (-54°C) 10 ms pulse	No-Fire Current† @ 160°F (71°C) 5 min
<b>1MT163</b>			
Type	Ohm	Amp, Min.	Amp, Max.
A	6.0 ± 1.0	0.30	0.03
B	4.0 ± 1.0	0.55	0.10
C	1.8 ± 0.2	1.00	0.10
F	.40 ± .05	4.50	1.00
G	25.0 ± 5.0	0.10	0.01
<b>1MT116</b>			
A	1.00 ± .10	.4 µF cap @ 50 V	.3 µF cap @ 45 V

\*Test current limited to 0.010 amp

# 1MT116 & 1MT163

Specifications Continued	
<b>Mechanical</b>	
Size	See drawing
Weight	1.0 gm Max.
Stroke	3/16" (4.76 mm)
Function Time	10 ms
<i>*See Firing Characteristics of Pyrotechnic-Actuated Devices for effect of current on ignition time.</i>	
<b>Environmental</b>	
Temperature	Operating range: -65°F to +160°F (-54°C to +71°C)

Specifications Continued	
<b>Chemical</b>	
Ignition Compound	KDNBF
<b>Freight Classification</b>	
Shipping Name	Release Devices, Explosive
Identification Number	UN0173
Hazard Classification	1.4S



DIMENSIONS ARE NOMINAL  
DIMENSIONS IN ( ) ARE IN MM



**EaglePicher Technologies, LLC**  
 PO Box 47, Joplin, Missouri 64802-0047, USA  
 tel 417.623.8000 | fax 417.623.0850  
[www.eaglepicher.com](http://www.eaglepicher.com)