



MICROTEX ELECTRONICS, INC.

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Dear Customer:

Here is some additional information you requested concerning some of the technical aspects of the probe. I will be making a formal specification sheet, I hope this will do for you in the meantime.

1.) Housing – Housing is made from aluminum alloy. The size is 2.00” tall x 1.380” wide. The depth is 2.00” Head is clear hard Anodized, Color layer is applied, and finally a clear Teflon coating is applied. The finished is checked per our inspection procedure.

2.) Lens – The lens is made from 3M 8020 grey smoked lexan Material, 0.025” thick, and backed by 0.025” 3M VHB class foam adhesive for sealant.

3.) The head is sealed with Dow Corning grey 832 Multi-purpose RTV sealant. This sealant offers a –67c to +149c operational temperature range and 350psi seal strength. The circuit board is mounted on 0.125” 3M double-sided urethane foam adhesive for flat positive 90 degree optical angle. This sealant provides for water and humidity protection.

4.) Cable is made with 5:1 expansion coiled Hytrel jacketed cable. Wire used is 23 AWG 21/36 fine strand copper conductors.

5.) Input impedance isolation on inputs is 100KΩ. Board consumes < 15ma of current. Circuit goes into shutdown when read is finished.

6.) The unit has been temperature tested from –30c to +75c.

7.) The unit meets IEC 801-2 ESD, IEC 801-3, and Mil Std 810E

Sincerely:

President, Chief Technical Officer