

# SERVICE MANUAL

COLOR MONITOR MultiSync LCD4010

MODELS LCD4010-BK-IT(A)

LCD4010-BK(B)

LCD4010-BK(C)

LCD4010-BK(R)

#### IMPORTANT!

- (1) Carry out all repairing works after confirming the classification symbol by referring to the serial number of the equipment. For the details of the serial number, refer to [Chapter 1-2. How to Read Serial Numbers].
- (2) Equipment having the clasification symbol "A" of the serial number are the products conforming with the RoHS instructions and with lead-free requirements. Since the equipment conforming with the RoHS instructions use parts in which use of specific noxious chemical substances are restricted, carry out the operations observing the following cautions:
- (3) This unit employs the boards that are commonly used in the LCD4010 and the LCD4610. Therefore, when the MAIN PWB is replaced, it is necessary to write the initialize data according to the procedures specified in [3. Initialize Data Writing]. When this initialize data writing is finished, however, it is unnecessary to make checking in regard to [Shipping Setup for Item 05\_inspection 8.1].
  - Use only the designated parts when it is necessary to replace parts.
  - Use only lead-free solder for lead-free equipment board.

(For the details, refer to [Cautions for Lead-Free Soldering Work] given in the following page and thereafter.)

(4) This equipment uses two types of LCD panel. Please pay attention to the fact that the contents to of Initialize Data to write in to this Equipment differ depending on the panel name. For the details, refer to [Chapter 12. How to Read Serial Numbers] and [Chapter 3 - Adjustment 7, Initialize Data Writing].

3rd Edition

NEC DISPLAY SOLUTIONS, LTD.

FEBRUARY 2005

200611 [Non RoHS] 08G61GAY 08G61GBY 08G61GCY 08G61GRY

[RoHS] 08GM1GAY 08GM1GBY 08GM1GCY 08GM1GRY

# Nec Lcd4010 User Guide

**Sol Sherr** 

# Nec Lcd4010 User Guide:

 $User\ Guide\ for\ Nec\ 2005\ Charles\ A.$  Schuler,<br/>H. Brooke Stauffer,2004-10-01 Sherr,1982

Video and Digital Electronic Displays Sol

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the objectives of the boiling point determination lab were to determine the boiling point of a mystery substance provided to each student boiling point is the point at which a liquid changes physical states and becomes a vapor or gas boiling point is important to understand because it can be used to help distinguish between different substances

## experiment name determination of boiling point - Jan 13 2023

the boiling point of an organic liquid is the temperature at which its vapour pressure equals the atmospheric pressure over

the liquid or it is the temperature at which the vapour and liquid phases are in equilibrium at agiven pressure the boiling point is considered as a criterion of purity of a compound and is useful for identification of

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given that the boiling points of ethanol and methanol 78 c and 64 c respectively are far off in a significant way this seems like a valid conclusion conclusion thermometer calibrations are necessary in order to collect reliable information as precise calculations are imperative to gathering correct results

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melting point 1 a push the open end of a capillary tube into the powdered acetamide b move the powder to the closed end of the capillary tube by tapping it on the table repeat until the the powdered acetamide occupies 1 2 mm of the capillary tube end c

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boiling point determination lab report conclusion objectives to correctly measure boiling issues of various liquids and identify an unknown liquid based on its boiling point background information objekte can be distinguished into acid properties and physical properties

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discussion and conclusion the technique recrystallization was used because it is a simple method to purify a solid compound the percentage yield for benzoic acid and acetanilide acid being high indicated the initial sample had a low concentration of impurities with the melting point being in a specific

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introduction in this lab we will be using boiling points melting points and infrared spectrometry to identify unknown compounds boiling points are affect by three key factors the first being intermolecular forces inter molecular affect boiling point based on bond strength

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determination of boiling points introduction the boiling point of a compound is the temperature at which it changes from a liquid to a gas this is a physical property often used to identify substances or to check the purity of the compound it **boiling point determination lab report introduction the** - Jul 19 2023

clean up solid and liquid spills immediately true g conclusions after conducting the boiling point determination lab it can be concluded that the unknown substance 193 is isopropyl alcohol on account of its observed boiling point of 88 c

## conclusion after completing this experiment the course hero - Nov 11 2022

conclusion after completing this experiment the melting point of three different unknown compounds was obtained using the

mel temp apparatus compound a had a melting point range of 114 6 115 5 c thus revealing it to be acetanilide compound b had a melting point range of 122 6 124 5 c thus

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nov 27 2019 essay sample the purpose of this experiment is to determine the boiling points of various organic compounds and to use these to identify unknowns equipment free essays

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melting point can be used as the identity and purity of an organic solid however it is not the same as the boiling point the boiling point is a characteristic unique of pure liquids the boiling point is the temperature at which the vapor pressure of a liquid is equal to the atmospheric pressure

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the purpose of the experiment is to understand what vapour pressure is and how it changes with temperature to understand the relationship between vapour pressure at a given temperature and boiling temperature at a given pressure to determine the vapour pressure of a pure liquid at various temperatures

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exploring boiling points abstract in this experiment we are given a set of straight chain alkanes and a set of compounds tocompare by following the trendline of the straight chain alkanes it could be concluded that asthe molar mass of the straight chain alkanes increases their boiling points increase as well

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laboratory partners samantha and mackenzie goals  $\square$  correctly determine the boiling point of an unknown liquid  $\square$  measure the refractive index of an unknown  $\square$  use the gas chromatogram to determine the mass percentage of a mixture and boiling point determination faculty of science - Jun 18 2023

50 c so in order to convert an experimental measurement taken in calgary which is at higher altitude than sea level and so is at a lower pressure to that reported for sea level higher pressure one needs to add a correction factor since the boiling point

at sea level is higher than that at higher altitudes chem1212 boiling point lab report course hero - Aug 08 2022

introduction in chemistry one may encounter an unknown substance that need to be determined by physical properties such as boiling point melting point density solubility etc in this experiment i am to figure out the boiling point of a mystery substance in order to identify it chemical responsibility this experiment requires the handling of a bunsen burner boiling 6 2b step by step procedures for boiling point determination - Mar 15 2023

there are a variety of methods by which a sample s boiling point can be determined including distillation reflux and by using a thiele tube the most straightforward method uses a thiele tube and has the advantage of using less than 0 5ml 0 5 ml of material