XIII. THERMOCOUPLES EMF'S

CONTENTS

A. Copper - Constantan
B. Copper - Gold + 2.1% Cobalt
COPPER-CONSTANTAN THERMOCOUPLES
150-290 °K
REFERENCE JUNCTION 273 °K

EMF - MICROVOLTS

TEMPERATURE - °KELVIN

XIII-A-1
COPPER-CONSTANTAN THERMOCOUPLES
20 - 160 °K
REFERENCE JUNCTION 273 °K (0°C)
COPPER-CONSTANTAN THERMOCOUPLES
70-300 °K
REF. JUNCTION 77.4 °K
(LIQ. N₂)

EMF - MICROVOLTS

TEMPERATURE - °K

XIII-A-3
COPPER-CONSTANTAN THERMOCOUPLES
20-85 °K
REF. JUNCTION 20.4 °K
(LIQ. H₂)
COPPER–CONSTANTAN THERMOCOUPLES
20–30 °K
REF. JUNCTION 20.4 °K

CALIBRATION 10" BUBBLE
CHAMBER RUN NOV '55

EMF - MICROVOLTS

TEMPERATURE - °K
DIFFERENTIAL THERMAL E.M.F.
GOLD + 21% COBALT vs. COPPER
NBS UNPUBLISHED DATA