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Abstract of Digital Waveform Storage Device

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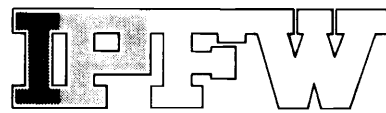
ABSTRACT OF DIGITAL WAVEFORM STORAGE DEVICE

title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



presented to the

ELECTRICAL ENGINEERING TECHNOLOGY FACULTY

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE

date

by

Brad Lucas

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**ABSTRACT
OF
DIGITAL WAVEFORM STORAGE DEVICE
BY
BRAD LUCAS**

Due to the high cost of digital storage oscilloscopes, a low cost addition to the standard oscilloscope is needed. A Z-80 based microcomputer controls an analog to digital and a digital to analog converter. A hexadecimal keypad and readout provide the operator with simple and versatile control. System software allows flexibility in operation and hardware expansion. This device will be a cost effective addition to any electronics laboratory.