

# PQA600 Picture Quality Analyzer Specifications

## Technical Reference





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# General Safety Summary

Review the following safety precautions to avoid injury and prevent damage to this product or any products connected to it.

To avoid potential hazards, use this product only as specified.

*Only qualified personnel should perform service procedures.*

While using this product, you may need to access other parts of a larger system. Read the safety sections of the other component manuals for warnings and cautions related to operating the system.

## To Avoid Fire or Personal Injury

**Use proper power cord.** Use only the power cord specified for this product and certified for the country of use.

**Ground the product.** This product is grounded through the grounding conductor of the power cord. To avoid electric shock, the grounding conductor must be connected to earth ground. Before making connections to the input or output terminals of the product, ensure that the product is properly grounded.

**Observe all terminal ratings.** To avoid fire or shock hazard, observe all ratings and markings on the product. Consult the product manual for further ratings information before making connections to the product.

**Power disconnect.** The power cord disconnects the product from the power source. Do not block the power cord; it must remain accessible to the user at all times.

**Do not operate without covers.** Do not operate this product with covers or panels removed.

**Do not operate with suspected failures.** If you suspect that there is damage to this product, have it inspected by qualified service personnel.

**Avoid exposed circuitry.** Do not touch exposed connections and components when power is present.

**Do not operate in wet/damp conditions.**

**Do not operate in an explosive atmosphere.**

**Keep product surfaces clean and dry.**

**Provide proper ventilation.** Refer to the manual's installation instructions for details on installing the product so it has proper ventilation.

## Terms in This Manual

These terms may appear in this manual:



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**WARNING.** *Warning statements identify conditions or practices that could result in injury or loss of life.*

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**CAUTION.** *Caution statements identify conditions or practices that could result in damage to this product or other property.*

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## Symbols and Terms on the Product

These terms may appear on the product:

- DANGER indicates an injury hazard immediately accessible as you read the marking.
- WARNING indicates an injury hazard not immediately accessible as you read the marking.
- CAUTION indicates a hazard to property including the product.

The following symbol(s) may appear on the product:



# Preface

This document provides the specifications for the PQA600 Picture Quality Analyzer.

## Documentation

The following manuals are available for the PQA600:

- *PQA600 Picture Quality Analysis System Quick Start User Manual* (English), Tektronix part number 071-2775-XX
- *PQA600 Picture Quality Analysis System Release Notes*, Tektronix part number 071-2781-XX
- *PQA600 Picture Quality Analysis System User Technical Reference*, Tektronix part number 071-2778-XX
- *PQA600 Picture Quality Analysis System Measurement Technical Reference*, Tektronix part number 071-2779-XX
- *PQA600 Picture Quality Analysis System Specifications*, Tektronix part number 077-0487-XX
- *PQA500 Picture Quality Analysis System Measurement Declassification and Security Instructions*, Tektronix part number 077-0486-XX

# Specifications

## Performance Conditions

The Performance Requirements are valid if the instrument has been adjusted at approximately 25 °C, is being operated within environmental limits (see Table 2), and has had a minimum warm-up of 20 minutes.

## General Characteristics

**Table 1: Power consumption**

Characteristic	Performance requirements	Supplemental information
Power rating	3.0/6.0 A	
AC Input Voltage Range	110/230 VAC	
AC input frequency	50/60 Hz	
Minimum Efficiency (Energy Star Qualified)	65%	
85% efficient power supply	Yes	



**WARNING.** To reduce the risk of fire and shock, verify that mains supply voltage fluctuations do not exceed 10% of the operating voltage range.

**Table 2: Environmental characteristics**

Characteristics	Information	Supplemental information
Temperature, Operating	+15 °C to +30 °C	Rate of temperature
Humidity		
Operating		
Non-operating	20% to 80%, non-condensing, at +28 °C	
Shock		
Operating	40 G +1–5% with pulse duration of 2 ms +1–10%	
Non-operating	105 G+1–5% with pulse duration of 2 ms +1–20%	
Vibration		
Operating	5 Hz to 350 Hz at 0.0002 G <sup>2</sup> /H <sup>2</sup>	