
Model: CPD15SF1, CPD15SF2, CPD15SX1, CPD100ES, CPD100GS, CPD100SX, CPD100VS, CPD101VS, CPD110GS, CPD120VS, CPD200ES, CPD200GS, CPD210GS, CPD220GS, CPD200SX, CPD17SF1, CPD17SF2, CPD100SF, CPD200SF, CPD201VS, CPD220VS, CPDE100, CPDE210, CPDE200, CPDG200, CPDG220R, CPDG220S, CPD20SF2T, CPD300SFT, CPD420GS, CPDE400, CPDG400, CPDG420, CPDG420S, CPD520GS, CPD-E500, CPDG500, CPDG520, GDM17SE1, GDM17SE2T, GDM200PS, GDM400PS, GDM500PS, GDM20SE1, GDM20SE2T, GDMF400, GDMF420, GDMF500, GDMF520, GDMF500R, GDMFW900, GDMW900, HMDA100, HMDA200, HMDV200

No. 91R11

Subject: CATS_I[™] and WinCATS SW and Control Cables for **Date:** May 7, 2001
Minolta Color Analyzers

Symptom:**(1432)**

The Color Adjustment Tool for Service: CATS_I[™] and WinCATS systems are used for computer monitor white balance set up. These systems have three major sections. The software program runs on the control PC. An RS-232 communication cable connects to the Minolta color analyzer. The monitor communication uses the same cables and adapters that are used with the Digital Alignment DAS[™] system.

Note: Refer to the Service Bulletin C/P No. 34 for PC hardware requirements and specific monitor communication cables and adapters used in the DAS[™] system.

Solution:

Please run CATS_I[™] and WinDAS SW on the PC's used for the DAS[™] computer monitor test station. The hardware requirements for these test stations are the same as the DAS[™] system for each model. The Color Analyzer communication cable is added for connecting the COM-1 (or 2) Port of the PC to the Minolta CA-100 or Minolta TV-2130. This is used for commanding Minolta operating modes and reading the white balance measurements. The following descriptive items are included here:

- Procedure for First Time CATS_I[™] Users is on Page 2.
- Table: CATS_I[™] SOFTWARE AND HARDWARE P/N is on Page 2.
- Illustration: CATS_I[™] Hardware Set-Up Diagram is on Page 3.
- Table: CATS_I[™] SW VER. 5.3.7 SUPPORTED MODELS is on Page 3 - 5.
- CATS_I[™] Communication Cable Wiring Illustrations is on Page 6.
- WHITE BALANCE ADJUSTMENT PROCEDURE SUMMARY is given on Page 7.

Cont.

Procedure for First Time Users

1. Refer to Service Bulletin C/P No. 34 for details of the DAS™ System hardware connections to the monitor. This set up is used to test and adjust the Computer Monitor in a similar way to the DAS™ System using the CATS_I™ program. The COM 1 (or 2) Port communicates with the monitor's microcomputer to set up the white balance parameters. Refer to CATS_I HARDWARE SET UP DIAGRAM on Page 3.
2. The PC's hosting the CATS_I™ and WinCATS SW will be required to operate one of these Video Signal Generators.

TEAM VG-515	ASTRO VG-819	QUANTUM DATA 801GF
TEAM VG-516	ASTRO VG-823(DAS)	QUANTUM DATA 801GF-ISA
TEAM VG-530		Sencore CM-2250

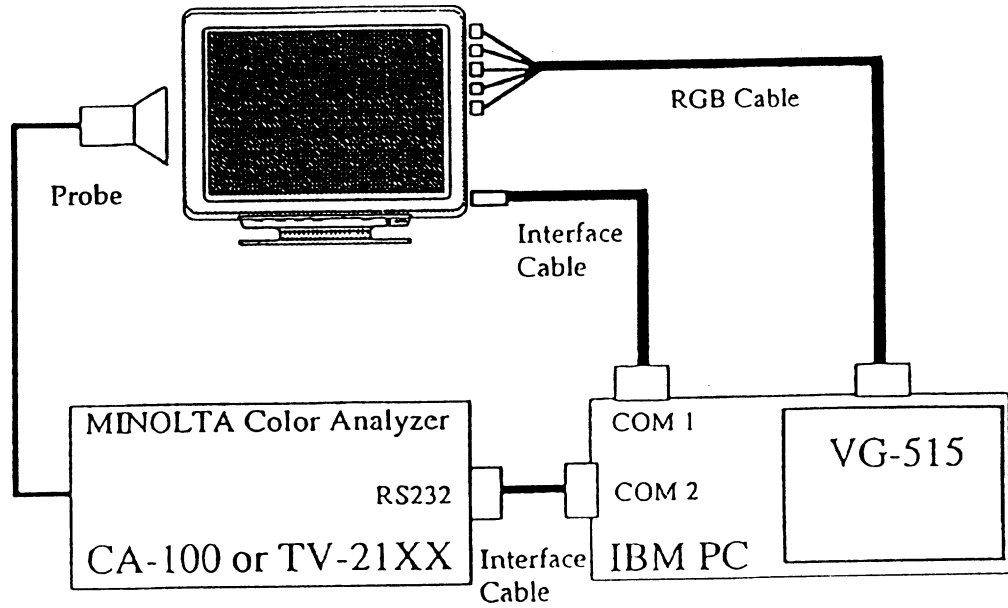
The VG-515 is not supported by WinCATS. The VG-515 does not run on Pentiums.

3. The CATS_I™ and WinCATS software supports either Minolta CA-100 or TV-2130 units but the cables are different. Order the required SW and one of the communications cables using the Sony P/N's in the following table. Sony SSC users may download the required SW program from the Sony SSC Web Site. Alternatively, either communication cable can be constructed using the illustrations on Page 6.
4. The TV-2130 uses calibration offsets provided when the unit is calibrated. Follow procedures listed in the User's Manual to enter the calibration offsets in the CATS_I™ and WinCATS program. The CA-100 does not use the calibration offsets.
5. Set up the CATS_I™ System using the following illustrations. Refer to CATS_I HARDWARE SET UP DIAGRAM on Page 3.
6. Refer to the CATS_I™ and WinCATS User's Manual for additional instructions.

CATS_I™ SOFTWARE AND HARDWARE P/N'S

	ITEM DESCRIPTION	ORDER SONY P/N OR DOWNLOAD
1A	CATS_I™ SW Start Up Kit Includes SW Ver. 5.4.4, and User's Manual Ver. 2.1.	PN T-998-581-21 Or Download from Sony SSC Web Site
1B	WinCATS SW Start Up Kit Includes Install SW, instructions, and User Manual.	PN T-998-607-83
2	WinCATS Version 1.3.3 alignment SW and User Manuals.	Download from the SSC or ASC Websites
3	Hasp Security Key is Required for WinDAS and WinCATS operation.	PN T-998-607-68
4	CATS_I™ PC - CA-100 Cable (Cable Only)	3-702-699-01
5	CATS_I™ PC - TV-21XX Cable (Cable Only)	3-702-700-01

CATS_I HARDWARE SET UP DIAGRAM



CATS_I™ SW VER. 5.4.4 SUPPORTED MODELS

Model	Chassis
CPD-15SX1 CPD-100SX	SX1
CPD-200SX	200SX
CPD-15SF1 CPD-17SF1	X1
CPD-15SF2 CPD-100VS CPD-17SF2	X2
GDM-17SE1 GDM-20SE1	N1
CPD-110GS CPD-210GS	X-110
CPD-100ES CPD-100SF CPD-200SF	X2R

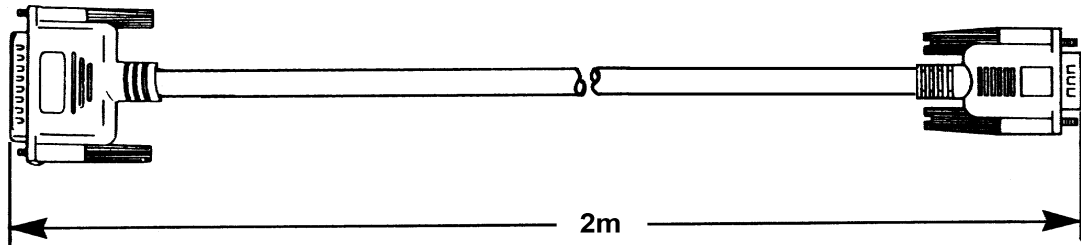
CATS_I™ SW VER. 5.4.4 SUPPORTED MODELS CONT.

Model	Chassis
CPD-200ES	X2F
CPD-100GS CPD-200GS	D1 D1H
CPD-220GS	D1P
CPD-120VS CPD-220VS	V2
CPD-101VS CPD-201VS	V3
CPD-E100 HMD-A100 HMD-A200	X11R
CPD-E200 CPD-E210	D99C
CPD-G200	D99
HMD-V200	HIT
GDM-17SE2T CPD-20SF2(T) CPD-300SFT	N2
GDM-20SE2T	N2H
GDM-200PS GDM-400PS GDM-500PS CPD-520GS	N3
HMD-A400	H1
CPD-420GS	D98
CPD-E400 CPD-G400	F99
GDM-F400 GDM-F500	N3P
CPD-E500 CPD-G500 GDM-F500R	G1
GDM-FW900	G1W
GDM-W900	W1

CURRENT WIN CATS SOFTWARE VERSIONS

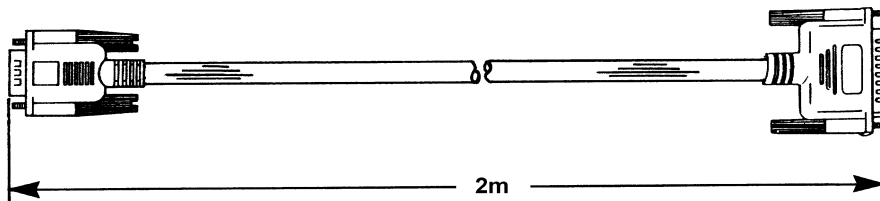
WIN CATS Versions	Models Supported	Chassis Types
WIN CATS Ver. 1.3.3	CPD-G200	D99
	CPD-G220R CPD-G220S	17VC
	CPD-E400 CPD-G400	F99
	CPD-E500 CPD-G500 GDM-F500R	G1
	CPD-G420 CPD-G420S CPD-G520 GDM-F420 GDM-F520	CR1
	GDM-FW900	G1W

CATS_I™ Cable, PC to CA-100, P/N 3-702-699-01



DB 25 (Male)			DB 9 (Female)	
PIN #	SIGNAL		SIGNAL	PIN #
1	FG	—————	FG	-
2	TXD	—————	TXD	3
3	RXD	—————	RXD	2
4	RTS	—————	RTS	7
5	CTS	—————	CTS	8
7	GND	—————	DSR	6
20	DTR	—————	GND	5

CATS_I™ Cable, PC to TV-2130, P/N 3-702-700-01



DB9 (Female)		14 Pin (Male) Amphenol™ No. 57-30104
PIN #		PIN #
-	—————	1
2	—————	2
3	—————	3
4	—————	6
5	—————	7
6	—————	8
7	—————	5
8	—————	4

CATS_I WHITE BALANCE ADJUSTMENT PROCEDURE SUMMARY
(Refer to Win CATS User manual for Win CATS operations.)
(By Thomas Vo, Dallas SSC)

STEP BY STEP	NOTE	TYPE OR PRESS HOT KEY
1. Select the CATS_I Program.		C:\>CD\CATS_I
2. Start CATS_I program.		C:\CATS_I\MENU
3. Select group of Model.	Based on Chassis type.	<F2>
4. Select the Model Number.		<SHIFT>-<F3>
5. Follow on Screen instructions.	Start White Balance operations.	
6. Complete the White Balance Operations	Monitor operational Notes.	
7. At "OK" Screen, check the WB Specifications.		
8. Press Enter for Gray Scale.	Check G2 level visible at the first Bar on the left.	<Enter>
9. If G2 level is incorrect in Step 8, then repeat WB Steps 5-8.		
10. Return to Main Menu.		<SHIFT>-<F10>