



EasyContrast®

Simplifying the control and measurement of marked wires

EasyContrast® is the ideal tool to control the quality of the markings on your wires. It ensures high accuracy and reliability in the measurement of the mark contrast and complies with the EN 3475 – 705 and SAE AS 4373 standards

EasyContrast® has been designed to meet the latest quality requirements of the aerospace industry such as Airbus AIPS and Boeing's BAC5152. Users are offered the guarantee of long-term accurate measurements thanks to its certified calibration block.

With great user-friendliness, EasyContrast® enables you to measure the contrast on all aerospace & other industrial wires & cables; and to edit complete and comprehensive reports.

Its built-in traceability features enable EasyContrast® to quickly become an invaluable asset to your quality surveys and production control.

Inspection of your marked wires has just become far easier with the EasyContrast measurement system!



MARKED WIRES CONTROL AND MEASUREMENT

GENERAL SPECIFICATIONS

Dimensions	300mm (11.8") x 340mm (13.4") x 570mm (22.4") (L x D x H)
Weight	20 kg (44 lbs)
Power requirements	90-230 VAC / 50-60Hz
PC connexion	USB2.0
Warranty	12 month full warranty on parts and labour
Conformity	Complies with CE directives

CONTRAST MEASUREMENT

Standard compliance	Complies with EN 3475-705 and SAE AS 4373 standards
Contrast Range	10% - 99% (on white or clear colour wire)
Accuracy	< 1%
Reproducibility	< 0.5%
Calculation time	Instantaneous
Illumination	Integrated halogen lamp with automatic extinction
Warm-up	2 minutes with countdown clock
Parasitic light	Free from parasitic light coming from ambient light or from reflexions caused by wire cladding around the measurement areas
Field of view	2.65mm x 2mm
Measurement areas	Two resizable rectangular areas moving on the whole field of view
Calibration	Light calibration block delivered in a wooden box
Contrast checking	Calibration block comprising 5 certified benchmarks delivered in a wooden box
Focus tuning	Manual focus to reach sharp pictures to save (very useful feature for the inspection and measurement of twisted wires)

WIRE MOUNT

Wire diameter	0,75mm to 10mm (26 AWG to 1 AWG)
Types of wire	Single wire or multi-strand wire. White or clear colour (with dark marks)
Wire length	≥ 60 mm
User preference	Right or left hand
Quick placement range	20mm length tuning for a quick and precise positioning of samples
Standard control	Quick installation and release through a mechanical device

SOFTWARE

Operating system	Windows XP 32bits (SP3), Windows Vista 32bits (SP1), Windows 7 32bits
System requirements	RAM 2Go, Intel® Core™ 2 Duo processor or higher
Supply of PC	In option
Installation	In one mouse click with the supplied CD-ROM
Working mode	Two working modes: "Quick measurement" for simple and fast use and a "referenced measurement" mode that allows users to input information and save data
User levels	A first level access allows the user to utilize basic functions. The second level access gives the possibility to manage the first level users and to use the advanced functions
Traceability features	Possibility to search by keyword, reference, author, etc..., to save a study
Report printing	A study can be saved in a PDF or directly printed and includes all information relative to the wire and the measurements done.
Calibration function	The system guides the operator through the operation which doesn't exceed 1 minute.
Contrast checking feature	The system guides the operator through the operation which doesn't exceed 1 minute.
Image capture	Image capture feature in BMP format
Dimension measurements	Optional

MAINTENANCE

Bulb replacement	Replacement of the halogen bulb every year (depends on the usage and of the automatic extinction setting). A replacement bulb is provided with the system
Cleaning	Dust must be removed regularly with dry air

Non-contractual photos.

Above specifications are subject to change without notice.