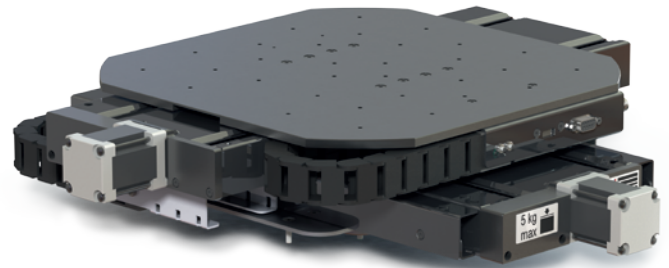


SCAN 300

X-Y Scanning Stage for DMS 803 / 505 / 201

Key features at a glance

- ▲ Area scans for displays up to 16"
- ▲ Compatible with DMS display measurement systems
- ▲ Motorized, stable, high-precision positioning



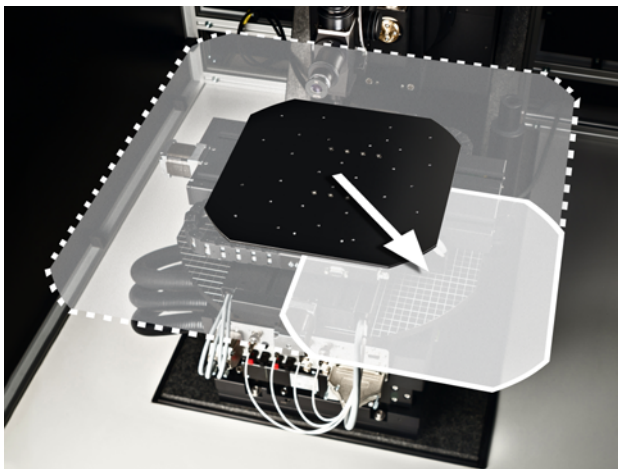
The SCAN 300 x-y scanning stage is an optional accessory for use with DMS systems DMS 803, DMS 505 and DMS 201. This motorized positioning stage extends the existing x-y travelling range of the basic mechanism of the DMS 803 and the DMS 505 to 300 mm x 300 mm allowing full scans of displays up to 16". Moreover, it enables motorized positioning and automated scanning with the manual DMS 201 system.

|| USER-FRIENDLY SOFTWARE SOLUTION

The SCAN 300 is also integrated into the DMSControl Software to keep the usual comfort of fully automated measurements of any type of display, optical components, back light units, etc.

|| MAXIMUM FLEXIBILITY

The DMS systems can be upgraded in the field by Instrument Systems staff and the usage of the SCAN 300 remains optional.



▲ The SCAN 300 scanning stage extends the x-y traveling range of the DMS systems by 300 mm x 300 mm



▲ DMS 201 and DMS 803

|| TECHNICAL SPECIFICATIONS

SCAN 300 x-y positioning stage		
DUT		
Diagonal	Max. 424 mm (16.7")	
Dimensions (L x W)	Max. 300 mm x 300 mm (11.8" x 11.8")	
Thickness without HCS	DMS 201: max. 224 mm; DMS 803: max. 174 mm; DMS 505: max. 24 mm	
Measuring table		
Dimensions (L x W)	300 mm x 300 mm	
Pay load	Max. 5 kg	
Specifications for axes	x	y
Usable scan range	±150 mm	±150 mm
Min. step	0.01 mm	0.01 mm
Positioning accuracy	±0.025 mm	±0.025 mm
Resolution	0.01 mm	0.01 mm
Max. speed	33 mm/s	33 mm/s
Temperatures		
Storage temperatures	5 to 32 °C, 40 - 60 % R.H.	
Ambient temperatures	22±5 °C, 40 - 60 % R.H.	
SCAN 300 device		
PC interface	SMU via RS232	
Power consumption	Max. 112 W (for simultaneous motor driving)	
Voltage and current	Max. 50 VDC; max. 2 A (not including DUT supply)	
Device protection class	Protection class III	
Electromagnetic compatibility	Complies to RL 2014/30 EU application 61326-1 and EN55011	
Product safety	Complies with EN 61010-1:2002-08 (safety requirements for electrical equipment for measurement, control and laboratory use)	
Dimensions (L x W x H)	467 mm x 467 mm x 83 mm (operating range Ø 780 mm)	
Weight	10 kg	

Instrument Systems is continually working to develop and improve products. Technical changes, errors or misprints do not constitute grounds for compensation. The company's terms of delivery and payment apply in all other respects.

|| ORDERING INFORMATION

Order number	Description
DMS-6-10	Motorized positioning stage for the DMS 803 / 505 for an extended/automated x-y travelling range of 300 mm x 300 mm