



VJT5035 - TriSCAN10 Standard



VJT5010 - TriSCAN50 Standard



VJT5110 - TriSCAN100 Standard



VJT5025 - TriSCAN250 Standard

TriSCAN – The Advanced Triaxial Testing Machine

Related Standards: BS1377-4, 7 & 8; BS EN 12697-34; ASTM D1883-07, D2166/D2166M- 13, D2850-03A, D4186-06, D4767-11 & D6927-06; AS1289.6.4.1 & 2; GEOSPEC 3;

The TriSCAN system is a state of the art Triaxial machine specifically designed for soils testing laboratories for conducting CU/CD Triaxial, and Unconfined tests. There are two models available, an advanced version with full data logging facilities and a simpler version without. Both versions are available as 10kN, 50kN, 100kN or 250kN load frames.

TriSCAN Advanced Version

This is the most advanced Triaxial testing machine currently available to soils testing laboratories.

The microprocessor based TriSCAN advanced system incorporates a large graphics display and a 20 key membrane key pad for data entry. The built-in four channel stand alone data logger allows data acquisition from load, strain, pore pressure and volume change transducers.

Data acquisition can be automated by setting trigger conditions for start, stop logging and tests can be terminated automatically at pre-set channel or test conditions.

TriSCAN Standard Version

The standard TriSCAN system is a low cost simpler version. It is the same as the advanced version but without any data logging.

Standard TriSCAN Features

- Speed range of up to 50.8mm/min Platen adjustment speed of up to 99.99mm/min (50mm/min for TriSCAN250)
- RS232 interface for computer control
- Microprocessor based design
- Stepper motor control
- 75 x 125mm LED display with backlight
- 20 key touch membrane keypad

Advanced TriSCAN Additional Features

- Four channel built-in data acquisition that can operate on a standalone basis without a PC
- Automatic data collection at preset time intervals
- Automatic test start and stop at preset conditions (strain, maximum deviator stress etc)
- Live on-screen data plot and tabulation

TriSCAN – The Advanced Triaxial Testing Machine

Ordering Information

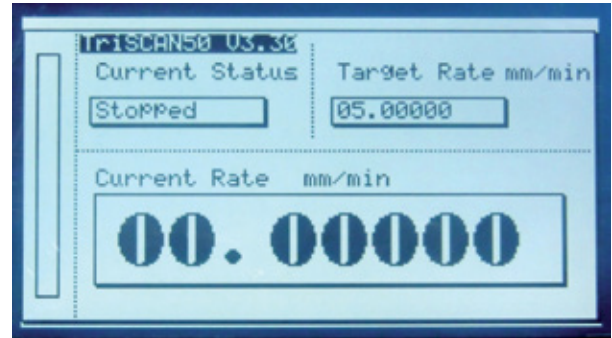
Product Number	Description	Capacity
VJT5035	TriSCAN10 Standard	10kN
VJT5135	TriSCAN10 Advanced	10kN
VJT5010	TriSCAN50 Standard	50kN
VJT5000	TriSCAN50 Advanced	50kN
VJT5100	TriSCAN100 Standard	100kN
VJT5110	TriSCAN100 Advanced	100kN
VJT5025	TriSCAN250 Standard	250kN
VJT5125	TriSCAN250 Advanced	250kN

Specifications (10 & 50 kN Machines)

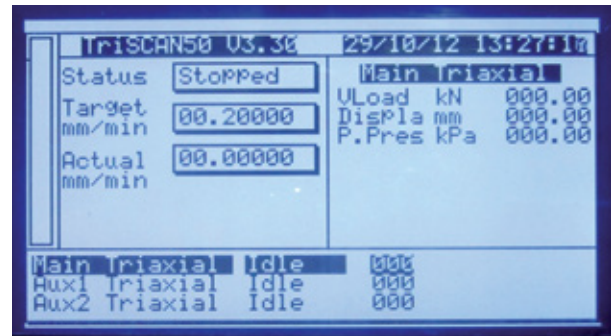
Product Numbers	VJT5035/VJT5135	VJT5010/VJT5000
Speed Range	0 - 10.00000mm/min	0 - 50.8mm/min
Vertical Clearance	880mm	1000mm
Horizontal Clearance	276mm	380mm
Platen Diameter	158mm	158mm
Platen Adjustment	0 - 99.99999mm/min	0 - 99.99999mm/min
Power Supply	110 - 240V AC 1ph	110 - 240V AC 1ph
Dimensions (W x D x H)	380 x 370 x 1230 mm	480 x 445 x 1490 mm
Weight	40kg	100kg

Specifications (100 & 250 kN Machines)

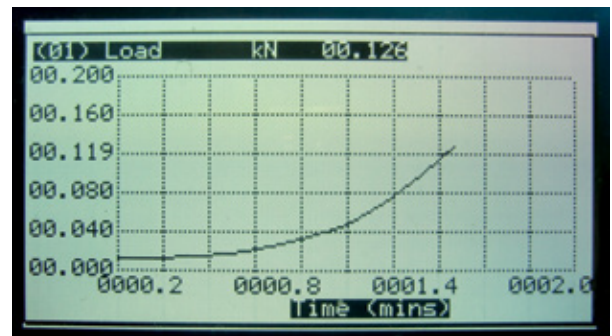
Product Numbers	VJT5100/VJT5110	VJT5025/VJT5125
Speed Range	0 - 50.8 mm/min	0 - 10.00000 mm/min
Vertical Clearance	1070 mm	1100 mm
Horizontal Clearance	500 mm	550 mm
Platen Diameter	158 mm	158 mm
Platen Adjustment	0 - 99.99999 mm/min	0 - 50.00000 mm/min
Power Supply	110 - 240V AC 1ph	110 - 240V AC 1ph
Dimensions (W x D x H)	630 x 450 x 1630 mm	850 x 900 x 2300 mm
Weight	340kg	600kg



TriSCAN Standard display showing Status, Target Speed and Current Speed.



TriSCAN Advanced display showing Status, Target Speed, Current Speed, Sensor Readings, Test Type and Status.



TriSCAN Advanced display Graph View.

No.	hh:mm:ss	(01)	(02)	(03)
001	000:00:00	00.010	05.233	-00001
002	000:00:10	00.011	05.294	-00001
003	000:00:20	00.013	05.356	-00001
004	000:00:30	00.017	05.420	-00001
005	000:00:40	00.024	05.480	-00001
006	000:00:50	00.032	05.529	-00001
007	000:01:00	00.045	05.585	-00001
008	000:01:10	00.069	05.648	-00001
009	000:01:20	00.098	05.709	-00001
010	000:01:29	00.129	05.767	-00001
011				

TriSCAN Advanced display Table View.