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Catalogue



TRDINA-100 Elisa Microplate Reader

- TRDINA-100 is a microplate spectrophotometer from 340-750 nm with a 1 nm step by grating monochromator for the full spectrum scanning.
- Detection Mode – Absorbance
- Halogen light source
- Suitable for 96-well plates - 384-well plates and without lids.
- Measuring mode – endpoint, kinetic and multi label measurement
- Up to eight measuring channel
- Ambient temperature working mode perform operation in cold room, incubators and stanradr laboratory conditions
- Port: 3 USB ports, for PC, standard printer and USB-disk



Ambient temperature operating mode +4 to 30°C up to 80% RH



Resolution touch screen

Intuitive user-friendly internal software on a 10-inch touch screen for quick measurements



ReaderIt-II Software

Easy and logical assays setup for demanding assays with the powerful PC software (ReaderIt-II), the PC software can offer to analysis, review, validate date



Fast detection speed

Single beam optical system



	TRDINA-100
Display	7-inch touch screen
Light source	Quartz Halogen light source
Wavelength range	340 - 750 nm with 1 nm steps
Wavelength Accuracy	±2 nm
Absorbance repeatability	(0.3Abs) CV <0.3% (3.4Abs) CV <1%
Absorbance stability	<0.005ABS (0.3Abs) <2.0% (3.4Abs)
Absorbance accuracy	<±0.005Abs (0.2Abs) <±0.01Abs (2.3Abs) <± 1.5% (3.4ABS)
Sensitivity / detector	0.01A/photodiode
Wavelength selection	Monochromator
Read-out range	0 - 4.0 OD
Half-bandwidth of filters	<2.5 nm
Detector	Silicon photoelectric detector
Linearity @450nm	0 - 2.5 Abs, ±2% (96 well plates)
Accuracy @450nm	1.0% + 0.003 Abs (0 - 2.0 Abs); 2.0% [2.0 - 2.5 Abs]
Precision @450nm	CV < 0.5% accurate mode; CV < 1.0% faste mode
Measurement Speed	6 seconds with 96-well plate
Filter	8-position filter wheel, standard 4 filters: 405nm, 450nm, 492nm, 620nm, other filters are optional
Software	Integrated software
User interface	Touch screen, android system, 7-inch touch screen, external keyboard mouse
Storage	16G memory, more than 20,000 test records can be stored
Ports	3 USB ports, for PC, printer and USB-disk
Automated systems	Temporarily unable compatible with automated systems
Power supply	AC100-240V 50/60Hz 2A
Dimensions (WxDxH)	300x400x180mm
Weight	10kg