



MA

Multi parameter Analyzer



India Office

16 S/F B/S, T-Block Extn.
Jain Colony Part-2 Uttam Nagar,
New Delhi-110059
info@darsunscientific.in
(+91) 9999136670, 7835864003

Australia Headquarters

21b Lawler Drive, Oran Park, NSW,
2570, Australia
info@darsunscientific.com
+61-283135514, 430583632

DarsunScientific

Darsun Scientific

Multi parameter Analyzer

DSM300F-A



GENERAL FEATURES

- High resolution LCD display, 5.7 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 500 sets (GLP-compliant).
- Support for USB or RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB, USA.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F⁻, Cl⁻, Br⁻, I⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺ and etc., user-defined method is supported.

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.
- Temperature compensation type (none, linear, pure water).



pH/Ion Meter/DSM300F-A

Model		DSM300F-A
Parameters		pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)
pH	Range	-2.00 to 20.00 pH
	Resolution	0.1, 0.01 pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, USA and DIN buffers
mV	Slope Limit	Yes
	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
pX	Accuracy	±0.3 mV or ±0.1%
	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
ISE	Accuracy	±0.01 pX
	Calibration Points	Up to 5
	Range	1.000e-9 to 9.999e+9
	Unit	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.5%
Conductivity	Calibration Points	Up to 5
	Range	0.000 µS/cm to 1000 mS/cm
	Resolution	0.001 µS/cm minimum, various with range selection
	Accuracy	±1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
Resistivity	Standard Recognition	84µS/cm, 1413µS/cm, 12.88mS/cm
	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
TDS	Accuracy	±1.0% FS
	Range	0.00 ppm~300 ppt
	Resolution	0.01mg/L minimum, various with range selection
Salinity	Accuracy	±1.0% FS
	Range	0.0~80.0 ppt
	Resolution	0.1ppt
Temperature	Accuracy	±2ppt
	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
Measurement	Resolution	0.1
	Accuracy	±0.2°C
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
Outputs	Conductivity with Temp. Probe	5-pin aviation connector
	USB	PC
	RS 232	printer
Display options	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Power	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242 × 195 × 68 mm
	Net Weight	900g (1.98 lb)
	Dimensions (Carton)	370 × 305 × 330 mm
Shipping Weight		3.5 kg