

# Azure Ao Absorbance Microplate Reader

A RAINBOW OF ASSAYS AT YOUR FINGERTIPS



SCAN ME

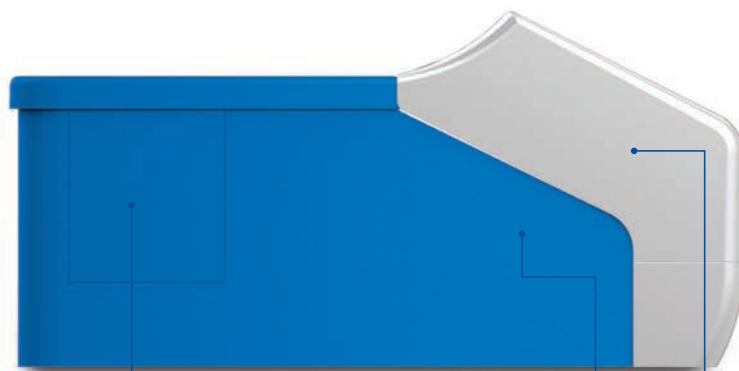
# AO ABSORBANCE MICROPLATE READER

Intuitive, large format, touch screen interface to easily run your assay and view your analysis



Motorized door for easy access to your 96-well plates

Analyses include pre-processing for dual mode reads,  $\pm$  interpretation with controls, concentration determination, curve fits, and kinetic measurement analysis & curves



8 position filter wheel, with 5 standard filters and 3 selectable filters from 340–750 nm

Built in shaker with multiple speed selection

Single and dual wavelength detection modes

## A FILTER FOR EVERY ASSAY

The Ao comes with 5 standard filters at 405, 450, 492, 595, and 630 nm, for most ELISA, Bradford, and Lowry assays. The 3 remaining filters are selected from our wide catalogue, ensuring you will have the filter solution for your assays.

## AN INTUITIVE, LARGE FORMAT, TOUCH SCREEN INTERFACE

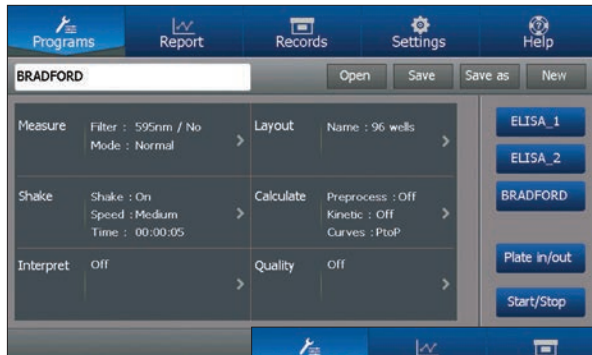
The Ao features a 7" intuitive touch interface. It allows you to quickly choose a pre-set protocol or set up your plate without a separate computer or laborious up/down arrow keypads. Tap and drag to define a region, rows, or single cells on your plate with ease. See your results and analysis right on the screen or export at a single touch for downstream analysis.

## RELIABLE PRECISION, ACCURACY, AND LINEARITY

Trust your data. With the Ao microplate reader you will not sacrifice speed for accuracy. With a read speed of <6 seconds, and an accuracy of  $<0.005 \pm 1\%$  (0-3) OD, you will quickly get your results and know they are correct.

# THE AZURE AO INTERFACE ALLOWS YOU TO:

# A SNAPSHOT OF POSSIBLE ASSAYS



Quickly select from pre-set or custom protocols and analysis options



Easily set up your 96-well plate



View your raw data and analysis

	1	2	3	4	5	6	7	8	9	10	11	12
A	0.900	1.009	1.074	1.121	1.097	1.099	1.100	1.107	1.101	1.110	1.097	1.030
B	0.567	0.606	0.615	0.575	0.627	0.622	0.620	0.623	0.629	0.623	0.623	0.574
C	3.767	3.951	3.943	3.883	3.984	4.215						
D	2.808	3.437	3.486	3.651	3.517	3.582						
E	3.105	3.129	3.081	3.095	3.071	3.091	3.267	3.130	3.117	3.197	3.104	3.100
F	2.667	2.708	2.728	2.729	2.747	2.712	2.694	2.699	2.726	2.691	2.627	2.619
G	1.893	2.080	2.162	2.266	2.077	2.253	2.282	2.285	2.228	2.290	2.235	2.187
H	1.676	1.831	1.844	1.813	1.710	1.810	1.806	1.811	1.847	1.822	1.794	1.750

And print or export your results in reports, or as raw data

Assay	Filter
NAD/NADP Conversion	340 nm
Alkaline Phosphatase (PNPP), $\beta$ -galactosidase, Horseradish Peroxidase (ABTS)	405 nm
Hydrogen Peroxide Concentration Assays	415 nm
Horseradish Peroxidase (TMB)	450 nm
Horseradish Peroxidase (OPD), DPD, XTT	492 nm
BCA	540 nm
MTT	570 nm
L-Ascorbate	578 nm
BCA	590 nm
Bradford, Lowry, Diphenylamine DNA (DISHE)	595 nm
Lowry	650 nm

## AZURE AO MICROPLATE READER SPECIFICATIONS

This 96-well plate, absorbance microplate reader is a stand-alone system, wavelength range 340–750nm, including an 8 position filter wheel with 8 filters: 405, 450, 492, 595, and 630 standard, plus 3 from the filter catalogue, built-in shaker with speed selection, single and dual-read modes, and analysis software.

Part Number	AC3000	Accuracy (@ 405 nm)	0.005 ±1% (0–3 Abs) 0.005 ±2% (3–4 Abs)
Plate Type	96-well Plates	Precision (@ 405 nm)	CV≤0.2% (0–3 Abs) CV≤1.0% (3–4 Abs)
Wavelength Range	340–750 nm	Read Modes	End Point, Dual Mode, Kinetic
Filters	8 Position Filter Wheel includes 8 filters, 5 standard: 405, 450, 492, 595, and 630, and 3 selected from the filter catalogue	Read Speed	<6s Single Mode, 12s Dual Mode
Light Source	Quartz-halogen Lamp	Shaker	Shaker speeds: slow, medium, fast
Dynamic Range	0–4.000 Abs	Data Output	2 USB Ports, Optional Printer
Resolution	0.001 Abs	Dimensions (W x D x H)	440 x 295 x 225 mm
Linearity (@ 405 nm)	0–2.000 Abs ≤±1% 2–4.000Abs ≤±2%	Weight	10 kg

## ORDERING INFORMATION

Part Number	Filters
AC3100	Ao 340 nm Filter
AC3101	Ao 380 nm Filter
AC3102	Ao 405 nm Filter
AC3103	Ao 415 nm Filter
AC3115	Ao 470 nm Filter
AC3116	Ao 490 nm Filter
AC3105	Ao 492 nm Filter
AC3117	Ao 510 nm Filter
AC3118	Ao 520 nm Filter
AC3119	Ao 525 nm Filter
AC3120	Ao 532 nm Filter
AC3106	Ao 540 nm Filter
AC3121	Ao 545 nm Filter
AC3122	Ao 560 nm Filter

AC3123	Ao 562 nm Filter
AC3107	Ao 570 nm Filter
AC3108	Ao 578 nm Filter
AC3109	Ao 590 nm Filter
AC3110	Ao 595 nm Filter
AC3124	Ao 600 nm Filter
AC3125	Ao 620 nm Filter
AC3111	Ao 630 nm Filter
AC3126	Ao 646 nm Filter
AC3112	Ao 650 nm Filter
AC3127	Ao 663 nm Filter
AC3113	Ao 690 nm Filter
AC3128	Ao 700 nm Filter
AC3114	Ao 750 nm Filter

Part Number	Printer
AC3200	USB Thermal Printer
AC3201	USB Thermal Printer Paper, single roll

Scan for more information



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