

ORCA 2800

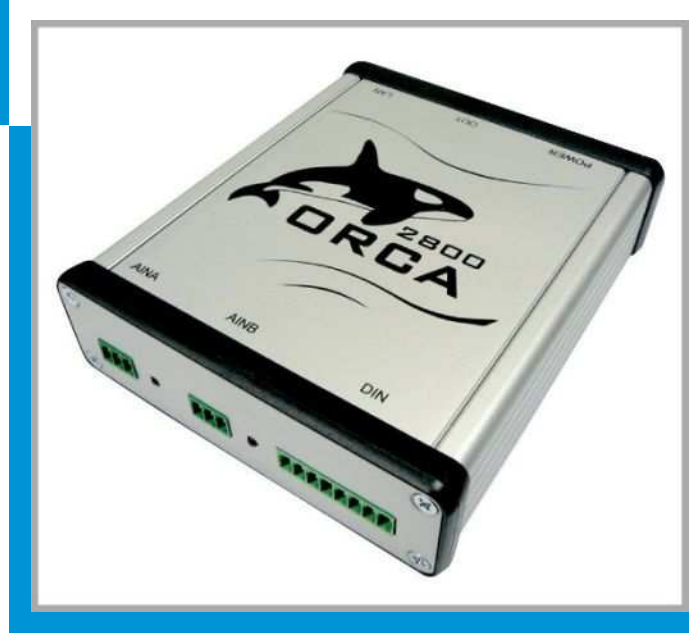
TWO CHANNELS A/D CONVERTER

Orca 2800 is precise external two channels **24bit** A/D converter with two analog and four digital inputs, four digital outputs and one support D/A converter. Communication interface is **Ethernet (LAN)** with **DHCP**, **AutoIP** or static IP settings.

Excellent signal to noise ratio and choice of supported ranges and sampling rates allows use it for signal conversion from high sensitive analytical devices not only in HPLC or UHPLC.

Unit is calibrated and deliver with calibration protocol and this allows use it in regulated environments (IQ, OQ, GAMP).

Device is suitable for devices with analog output only. Also it can be used for control of simple devices by digital outputs and analog output.



Software ECOMAC with full support of unit and tool for configuration and searching device on LAN are supplied with unit. Development libraries in different languages under LGPL license are accessible on request. Full communication protocol is part of delivery.

SPECIFICATION

COMMON PARAMETERS:

Powering	External 12V / 200 mA (adapter in accessories)
Communication interface	Ethernet 10 / 100 base (DHCP, AutoIP, Static)
Dimensions (w x h x d)	105 x 36 x 124 mm
Weight	260 g

A/D CONVERTER:

Number of channels	2 independent (A, B)
Resolution	24 bit
Voltage ranges	$\pm 250\text{mV}$, $\pm 2\text{V}$, $\pm 20\text{V}$
Sampling rates	2, 5, 10, 20, 50, 60, 100, 200, 400, 800 sps
Noise typ.	2 μV (10 sps; $\pm 2\text{V}$)

D/A CONVERTER:

Number of channels	1
Resolution	8 bit
Output range	0 to 4.5 V

DIGITAL INPUTS:

Number of inputs	4 (DIA, DIB, DIC, DID)
Galvanic isolation	Optoelectronic 200 Vdc / 140 Vac
Sampling rate	optional 10, 100, 500 sps
Support powering	Yes, not isolated 5V / 20 mA

DIGITAL OUTPUTS:

Number of AC outputs (max. 42 V)	2 (ACA, ACB)
Number of TTL outputs	2 (DOA, DOB)