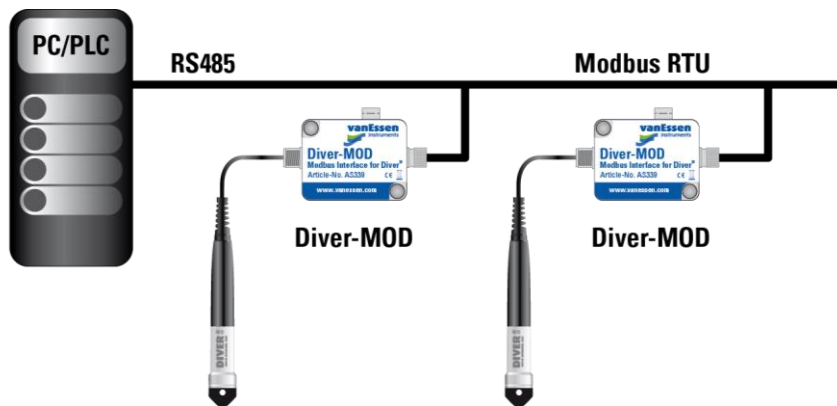




Technology Sheet

Diver-MOD

The Diver-MOD (AS339) allows you to connect the Diver to your MODBUS system as depicted in the figure below. On one end the Diver-MOD is connected to the MODBUS system through the 2-wire RS485 protocol and powered by 5 to 12 Volt. On the other end a Diver cable (AS2xxx) is attached to connect the Diver-MOD to a Diver. Diver cables up to a length of 300 meter (1,000 ft) can be used with the Diver-MOD.

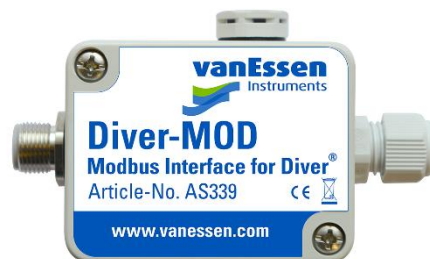


Features

- Real-time Diver pressure, temperature and conductivity (CTD-Diver only) data.
- Read Diver memory
- Read/write Diver sample interval
- Read/write monitoring point name of Diver
- Start/stop Diver (no future start)
- Read memory status: total memory and memory used

Benefits

- No need for additional sensors to measure air temperature and atmospheric pressure.
- No need for post-processing the pressure data.
- Real-time Diver and barometric pressure data.





Technical Specification

Power Consumption

Supply voltage	external 5 Volt to 12 Volt
Standby current	2 mA
Average supply active current	10 mA

Modbus

Communication:	RS485 half-duplex, single pair, 300 bps to 115,200 bps
Multi-drop:	yes, max 8 devices per communication link
Address MODBUS:	user selectable: 1 to 247

Casing

Dimensions:	65 mm × 50 mm × 35 mm (2.56 in × 1.97 in × 1.38 in)
Material:	ABS
Diver Cable Connector:	M12 connector (connect to AS2xxx cable)
RS485 connector:	PG9
Protection classification:	IP66

Sensors

Temperature

Parameter	Min	Value	Max	Unit
Range	-20		80	°C
Accuracy		±1.0		°C
Resolution		0.2		°C

Pressure

Parameter	Min	Value	Max	Unit
Range	400		1100	cmH2O
Accuracy		± 2.0		cmH2O
Resolution				cmH2O

Environmental

Parameter	Min	Max	Unit
Operating temperature	-20	60	°C
Storage/Transport temperature	-30	80	°C
Storage humidity range	0	100	%

Diver Communication

Cable length:	0.5 meter to 300 meter	
Compatible Diver models:	Mini-Diver (DI5xx)	Micro-Diver (DI6xx)
	Cera-Diver (DI7xx)	CTD-Diver (DI27x)