

TWO DIVER HSE AIR PANEL SY-2DAP-HSE-INSHORE




PART NO : SY-2DAP-HSE-INSHORE




TWO DIVER HSE AIR PANEL SY-2DAP-HSE-INSHORE

Sr.	Description
1	Powder coated marine grade aluminum non rust fascia (various colors available)
2	All engraved lines with each valve/fitting/regulator clearly marked

Design criteria for dive panel

1 x 0-164 fsw/50 msw Depth gauge, 4", 0.25 % accuracy, mirror scale, with calibration point , Diver 1, Color coded Blue 

1 x 0-164 fsw/50 msw Depth gauge, 4", 0.25 % accuracy, mirror scale, with calibration point , Diver 2, Color coded Red 
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Sr.	Part Number	Description	Qty
1	SY-873-400	Aqua Environment high pressure Regulator w/gauges	2
2	SY-PG-A-2.5-5000	High pressure gauges (incoming air supply) 0-5000 psi (Hp1)	2
3	SY-PG-A-2.5-5000	High pressure gauges (incoming air supply) 0-5000 psi (Hp2)	2
4	SY-PG-A-2.5-500	Low pressure gauge (regulated air supply) 0-500 psi	2
5	SY-PG-A-2.5-500	Low pressure gauge (common low pressure supply) 0-500 psi	2
6	SY-PG-A-2.5-500	Low pressure gauge (downstream for umbilical supply pressure)	2
7	All air supply lines (inlet and outlet) are color coded per diver		
8	Diver 1 - Independent high pressure line		
9	Diver 2 - Independent high pressure line		
10	Diver 1 - Common low pressure line		
11	Diver 2 - Common low pressure line		
12	All tubing used will be stainless steel high pressure		
13	All valves for incoming air supplies will be brass , high pressure		
14	All valves for regulated supplies will be brass, high pressure		

DIVE PANEL COMMUNICATION (Sold Separately)

Sr.	Part Number	Description	Qty
1	2820A-11	Amron 2 diver radio with ac/dc power	1
2	2405-28	Push to talk microphone	1

DIVE PANEL DIVER CCTV SYSTEMS (Sold Separately)

Sr.	Part Number	Description	Qty
1	SY-DIVERVISION SERIES	Diver 1/Diver 2, surface control unit, Synergy/Outland Technology	2
2	SY-MON-15.5-TFT	Diver 1/Diver 2, 15.5"waterproof TFT monitor	1
3	SY-DVR-1TB-HD	Primary Recorder, 1 TB hard drive (simultaneous recording of all diver)	1
4	SY-DVR-1TB-HD	Backup recorder (black box) 1 TB hard drive (simultaneous recording of all dives), USB out for recording to USB sticks, HDMI out for mirror image to be displayed remotely via HDMI cables	1

TWO DIVER HSE AIR PANEL SY-2DAP-HSE-INSHORE

SY-2820A-11 AMCOM II TWO-DIVER RECHARGEABLE BASIC PORTABLE COMMUNICATOR



NEWLY DESIGNED ENHANCEMENTS:

High Audio Fidelity

Ultra-low noise circuit combined with noise suppression circuitry produces crystal clear speech. Automatic gain adjustment will guard audio signal from distortion, enhance speaker protection and audio quality. Increases band width 47%.

Extended Battery Operation Time

Audio amplifier card deploys the state-of-the-art Class-D digital audio power amplifier. Has very low power dissipation, produces less heat, and extends battery life up to 32%.

Flexible Gain Settings

The audio amplifier card has adjustable gain settings to accommodate different communication applications and environments.

Ultra-Low Electromagnetic Interference (EMI)

EMI is achieved through spread-spectrum and de-phase control techniques providing for optimum integration with diving systems.

Outdoor Rated AC Power Module

Weather resistant, IP65 rated AC power entry module accommodates country specific AC power cords.

Country Specific V-Lock AC Power Cord

At time of order, simply choose the IP54 rated Locking AC power cord you need.

FEATURES:

- Single volume control for both divers.
- Diver's umbilicals can be set up on 4-wire mode (full duplex) or 2-wire mode (push-to-talk) or any combination of the two modes for each diver.
- Ability to use both dynamic and pre-amplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels.
- The divers' connections consist of cross-talk and separate speaker and microphone inputs.
- Internal charger allows for simultaneous charging and operation of the unit while protecting the rechargeable battery from being over-charged. Automatically supplies power to the audio amplifier when AC power is disconnected to allow for continued operation.
- See Tech Note (below) for recommended accessories.

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SPECIFICATIONS:

- Input Impedance (Each Input): 250 Ohms
- Frequency Response: 300 - 10000 Hz
- Common Mode Rejection: 40 dB Minimum
- Current Drain Maximum Full Volume: 3 Amps
- Minimum Quiescent: 0.190 Amps
- Output Impedance: 4 Ohm
- Power Supply Voltage: 12 VDC Nominal (9 Volts Minimum - 16 Volts Maximum)
- AC Power Operating Range: 90-264 VAC, 50-60 Hz
- Sensitivity (Input): 0.5 mV
- Output Power (RMS @ 4 Ohm Load, 12 VDC): 10 Watts Audio
- Battery Life: 45 hours
- Dimensions: 10 in. H x 9 in. W x 14.5 in. L (25.4 cm x 22.9 cm x 36.8 cm)
- Weight: 16.25 Lbs. (7.37 Kg)

INCLUDED WITH COMMUNICATOR:

SY-2820A-11AMCOM II Two-Diver Rechargeable Basic Portable Communicator with Outdoor Power Module and International Locking Power Cord includes:

- (1) SY-2890-05 Amron 12 VDC Sealed Lead Acid Gel-Cell Rechargeable Battery with Slide terminals
- (1) SY-282XA-UM Amron Two Diver Portable Communicator User Manual

AVAILABLE OPTIONS:

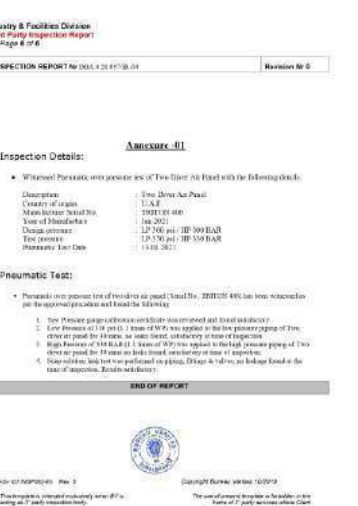
- SY-2460SM-28 Amron Single Muff Operator Headset with Boom Mic and Dual Banana Plugs
- SY-2405-28 Amron Hand-Held Push-to-Talk Microphone
- SY-2401-28 Amron Deluxe Headset with Boom Mic
- SY-2460-28 Amron Standard Headset with Boom Mic
- SY-2822-28 Amron Remote Walk-and-Talk (4-wire mode)
- SY-2821-28 Amron Remote Walk-and-Talk (2-wire mode)

TECH NOTE:

All communicators will inherently transfer topside noise to the divers when the tender speaks directly into the communicator's panel speaker. To eliminate background noise at the surface, we recommend purchasing the 2405-28 Push-to-Talk Microphone (not included with this model). For optimum communications, it is recommended to use the 2401-28 Deluxe Headset with Boom Mic, topside. For tender maneuverability, use the 2401-28 Deluxe Headset with Boom Mic along with the 2822-28 Remote Walk-and-Talk (4-wire mode) or the 2821-28 Remote Walk-and-Talk (2-wire mode). For wireless tender communications, order the 2825A-03 Two Diver Deluxe Portable Communicator with built-in Wireless Tender option.

TWO DIVER HSE AIR PANEL SY-2DAP-HSE-INSHORE

Diving panel	Bureau Veritas
Imca	D018 / D023
Class	Bureau Veritas pressure test witness for entire system
Fmea	As built by Synergy
Fmea stamped by class	As built by Synergy and reviewed by Class (optional)
Warranty	One year Synergy manufacturing warranty




ORDERING INFORMATION









Sr.	Part Number	Description
1	SY-2DAP-HSEINSHORE-PCSF	TWO DIVER AIR PANEL, INSHORE, IN PELICAN CASE, FITTINGS ON EITHER SIDE OF PANEL
2	SY-2DAP-HSEINSHORE-FMTF	TWO DIVER AIR PANEL, INSHORE, FRAME MOUNTED, INLET AND OUTLET FITTINGS FROM TOP OF PANEL
3	SY-2DAP-HSEINSHORE-FMBF	TWO DIVER AIR PANEL, INSHORE, FRAME MOUNTED, INLET AND OUTLET FITTINGS FROM BOTTOM OF PANEL




BESPOKE DESIGNS – ANY CONFIGURATION AS PER CLIENT REQUIREMENT

TWO DIVER HSE AIR PANEL SY-2DAP-HSE-INSHORE

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