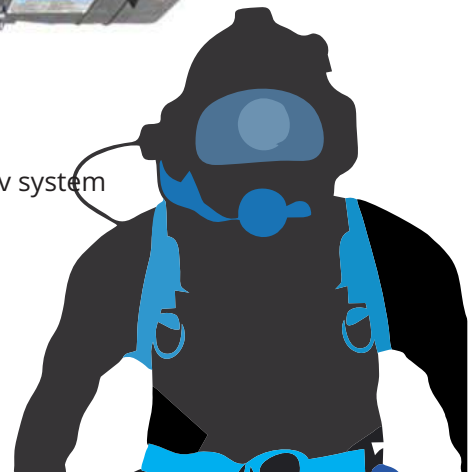


**THREE DIVER PORTABLE PANEL WITH THREE DIVER RADIO AND TWO DIVER CCTV
 #SY-3DAP-D040-R-2DV**



PART NO : SY-3DAP-D040-R-2DV

Three diver panel with radio and diver 1 / diver 2 cctv system

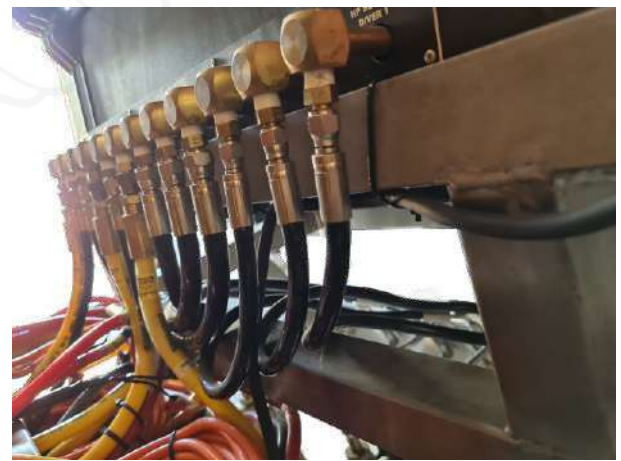


**THREE DIVER PORTABLE PANEL WITH THREE DIVER RADIO AND TWO DIVER CCTV
 #SY-3DAP-D040-R-2DV**

SF - DIVING PANEL WITH D1/D2/D3 INLET FITTINGS (AIR SUPPLIES HP/LP) ON LEFT SIDE AND D1/D2/D3 OUTLET FITTINGS (TO DIVER) ON RIGHT SIDE



DIVING PANEL WITH D1/D2/D3 INLET (HP/LP) AND OUTLET FITTINGS (TO DIVER) FROM THE BACKSIDE OF THE PANEL



THREE DIVER PORTABLE PANEL WITH THREE DIVER RADIO AND TWO DIVER CCTV #SY-3DAP-D040-R-2DV

Information

Two Diver Panel

Case	Model 1650, Black, Interior (28.57" L x 17.52" W x 10.65" H), with wheels and handle, water, rust and dust proof), Pelican USA Exterior dimensions: 80.14 x 52.1 x 31.67cm (31.55" x 20.51" x 12.47") Interior dimensions: 72.16 x 44.2 x 27.03cm (28.41" x 17.40" x 10.64") Weight without foam: 10.9kg (24.03lbs)
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1 x 0-230 fsw/70 msw Depth gauge, 3.5", 0.25 % accuracy, mirror scale, with calibration point, Diver 1, Color coded Green

1 x 0-230 fsw/70 msw Depth gauge, 3.5", 0.25 % accuracy, mirror scale, with calibration point, Diver 2, Color coded Blue
--

1 x 0-230 fsw/70 msw Depth gauge, 3.5", 0.25 % accuracy, mirror scale, with calibration point, Diver 3, Color coded Red

Air Supplies	HP - 3 independent supplies, one per diver, LP - 3 independent supplies, one per diver
Communication	Amron 2830A-11 Three diver radio with ac/dc power supply
Regulator	1 x per diver, suitable for breathing air, Inlet : 6000 psi, outlet : 400 psi
Relief valves	0-250 psi on regulated diver supply line, 100 psi on pneumo gauges

Air supply ports:

Option 1 - SF	All fittings provided on both sides of case – Left side all inlet fittings for hp air, lp air, right side divers air supply and pneumo fittings.
Option 2 - BF	All fittings provided from behind the panel for inlets and outlets
Calibration	Inbuilt calibration points for pneumo gauges

Two Diver CCTV :

CCTV	For both diver 1 and diver 2
Monitor	TFT 15.5" (split CCTV image for diver 1 / diver 2)
Surface control unit	All touch button controls with backlight for low visibility operations, video and light control
Primary recording	1 TB hard drive to record all diver video simultaneously
Secondary back up recording	1 TB backup hard drive to record all diver video simultaneously

SY-2830A-11 AMCOM III THREE-DIVER RECHARGEABLE BASIC PORTABLE COMMUNICATOR

SY-2830A-11 AMCOM III THREE-DIVER RECHARGEABLE PORTABLE COMMUNICATOR WITH OUTDOOR AC POWER MODULE AND INTERNATIONAL LOCKING POWER CORD



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:

- Separate channels and volume controls for each diver and tender to accommodate individual earphone and microphone adjustments, equipment variations and individual comfort levels.
- Divers' umbilicals can be set to 4-wire mode (full duplex) or 2-wire mode (push-to-talk) or any combination of the two modes for any diver.
- Ability to use both dynamic and pre-amplified diver microphones with a unique circuit that detects microphone type and automatically adjusts volume levels.
- Weatherproof push-to-talk microphone for better voice intelligibility topside. For optimum clarity, see Tech Note (below) for other recommended equipment.
- 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.

SY-2830A-11 AMCOM III THREE-DIVER RECHARGEABLE BASIC PORTABLE COMMUNICATOR

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: 41 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: 17.05 Lbs. (7.73 Kg)

INCLUDED WITH COMMUNICATOR:

SY-2830A-11 AMCOM III Two-Diver Rechargeable Basic Portable Communicator with Outdoor Power Module and International Locking Power Cord includes:

- (1) SY-2405-28 Amron Hand-Held Push-to-Talk Microphone
- (1) SY-2890-05 Amron 12 VDC Sealed Lead Acid Gel-Cell Rechargeable Battery with Slide terminals
- (1) SY-283XA-UM Amron Three-Diver Portable Communicator User Manual

AVAILABLE OPTIONS:

- SY-2460SM-28 Amron Single Muff Operator Headset with Boom Mic and Dual Banana Plugs
- SY-2401-28 Amron Deluxe 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, use the 2405-28 Push-to-Talk Microphone, included with this model. For optimum communications, we recommend purchasing the 2401-28 Deluxe Headset with Boom Mic, topside. For tender mobility, 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 2830A-03 Three-Diver Deluxe Portable Communicator with Wireless Tender.

SYNERGY SURFACE DIVING HOSES AND UMBILICALS SY-AQUAFLOW



Diving Umbilical with protective outer sheet



Diving Umbilical with spiral wrap



Diving Umbilical without protective outer sheet

OUTLAND VIDEO CAMERA / LIGHTS / UMBILICALS

Mechanical	Specification
Weight	6 oz (.2kg) Dry, 3 oz(.06kg) wet
Depth Rating	2000 ft (600m)
Housing	Black delrin
Electrical	
Image Device	1/3" CCD sensor (412k pixel)
Sensitivity	.001 lux @f1.4
Resolution	600 TV lines standard
Video Out	1.2 Vpp
Power	12 VDC @ 110 ma.
Optical	
Lens	3.6mm, Electronic-Iris
Focus	Fixed 4" to infinity
Angle of View	70 horz. (in water)



PART NO : SY-UWC-325/p/e



PART NO : SY-UWL-401

Mechanical	Specification
Weight	7oz(0.2kg) Dry, 3 oz.(.1kg) Wet
Depth Rating	2000 ft (600m)
Housing	6061-16 Anodized Aluminium
Electrical	
Power	12 VDC @ 110 ma.
Wattage	18 watt (Eq to 150 watt halogen)
Output	700 lux at 1 meter

Mechanical	Specification
Conductors	16ea #22 awg 1 RG-59 Coax
Length (mtrs)	100/150/200 as per requirement
Diameter	8.5mm (0.35")
Materials	Orange Polyurethane jacket
Breaking Strength	1200 lbs
End fittings	
Diver End	Moulded Y connection
Camera	Rmk-5-fs with locking sleeve
Light	Rmg-3-fs with locking sleeve
Surface end	Soldered connection
Cable	8 pin amphenol connector



PART NO : SY-VC-150M

SYNERGY PIGTAILS AND CONNECTORS

Connector	SY-RMK-5-FS
Type	5 Female Sockets
Cable	18 in Pigtail of 18 SO AWG Cable
Material	Special Neoprene, Molded
Contacts	Copper Alloy, Hard Gold Plated per ASTM-B-488
Voltage Rating	600 VDC
Pressure Rating, Mated	Up to 20,000 psi
Mates with	SY-XSL-5-BCL on Outland Camera SY-UWC-325/p/e

PART NO : SY-RMK-5-FS



PART NO : SY-RMG-3-FS



Locking sleeve for Rmg-3-fs

PART NO : SY-G-FLS-D



Locking sleeve for Rmk-5-fs

PART NO : SY-K-FLS-D



Connector	SY-RMG-3-FS
Type	3 Female Sockets
Cable	18 in Pigtail of 18 SO AWG Cable
Material	Special Neoprene, Molded
Contacts	Copper Alloy, Hard Gold Plated per SY-ASTM-B-488
Voltage Rating	600 VDC
Pressure Rating, Mated	Up to 20,000 psi
Mates with	SY-XSG-3-BCL on Outland light SY-UWL-401

PART NO : SY-MS3108B-18-08P

Certifications	Provided with each system
International	IMCA D023
Manufacturer	Synergy Certificates
Electrical	Continuity/Function test



PART NO : SY-CLBRK



SS camera and light bracket with jubilee clamp

Cannon Right Angle Amphenol Connector is used for connecting the video camera umbilical to the surface video console unit.

CLASS WITNESS CERTIFICATES

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

INSPECTION REPORT

Inspection Report No: **EMER-001-2023** | Revision: **01**

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001**

Manufacturer / Vendor: **SYNERGY EQUIPMENT TRADING**

Inspection Performed on: **EMERGENCY LIGHT**

Total number of days inspection performed: **1**

MATERIAL SUBJECT OF INSPECTION

Description	Item Tag/ID	Quantity in stock	Quantity checked for inspection
Emergency Light (Model EMER-001)	123456789	100	100

A - INSPECTION RESULT

Conformity with all relevant standards and specifications.

INSPECTION SUMMARY:

The product is in full compliance with the relevant standards and specifications. The inspection was conducted on 2023-10-27 at the Synergy Equipment Trading LLC premises. The product is a high-pressure rated emergency light with a maximum pressure of 3000 psi. The product is in full compliance with the relevant standards and specifications.

Open Faults/Less than: **None**

Inspection Code: **EMER-001-2023**

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

B - REFERENCE DOCUMENTATION

Title	Reference No.	Revision	Approval Status	Approval By	Date
Design/Supplier/Manufacturer Specification	EMER-001-SPEC	01	Approved in Full	John Doe	2023-10-27
Pressure Test Procedure	EMER-001-PROC	01	Approved in Full	John Doe	2023-10-27

C - ATTACHMENTS

Attachment	Location	Inspection	Status	Notes
EMER-001-SPEC	EMER-001-SPEC	EMER-001-SPEC	Approved	Design/Supplier/Manufacturer Specification
EMER-001-PROC	EMER-001-PROC	EMER-001-PROC	Approved	Pressure Test Procedure

D - MEASURING & TESTING EQUIPMENT USED

Equipment Used	Equipment Model No.	Last Calibration Date	Expiry Date
Pressure Gauge	EMER-001-GAUGE	2023-09-15	2024-09-15

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

E - INSPECTION DETAILS

E1 - Details of Witness (A) & Note (H) Inspection Points

Witness (A) Name: **Mr. John Doe** | Witness (H) Name: **Mr. John Doe**

Witness (A) Signature: **Mr. John Doe** | Witness (H) Signature: **Mr. John Doe**

Witness (A) Date: **2023-10-27** | Witness (H) Date: **2023-10-27**

E2 - Details of Witness (A) & Note (H) Inspection Points

Witness (A) Name: **Mr. John Doe** | Witness (H) Name: **Mr. John Doe**

Witness (A) Signature: **Mr. John Doe** | Witness (H) Signature: **Mr. John Doe**

Witness (A) Date: **2023-10-27** | Witness (H) Date: **2023-10-27**

E3 - Details of Certificate Review

Certificate Review Status: **Approved**

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

F - HEALTH, SAFETY & ENVIRONMENT COMMENTS

Health, Safety & Environment Comments: **None**

G - HEALTH, SAFETY & ENVIRONMENT COMMENTS

Health, Safety & Environment Comments: **None**

H - PERSONAL HEALTH

Personal Health Comments: **None**

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

I - NON CONFORMITIES

No.	Category	Description	Severity	Impact	Root Cause	Corrective Action	Completion Date

J - PUNCH LIST

No.	Item	Category	Description	Impact	Root Cause	Corrective Action	Completion Date

Industry & Facilities Division
Third Party Inspection Report

Product Name: **EMERGENCY LIGHT** | Model: **EMER-001** | Serial: **123456789**

Inspected by: **Mr. John Doe** | Inspected on: **2023-10-27**

Inspection performed at: **Synergy Equipment Trading LLC**

K - DIGITAL PICTURES

L - ATTACHMENTS

No.	Description/Attachment Name	Attachment	File Name

Certifications	Provided with each panel
Manufacturer International	Synergy certification IMCA D040
Class	Bureau Veritas pressure test certificates
Warranty	1 year international manufacturer warranty
Weight	64 kg

THREE DIVER PORTABLE PANEL WITH THREE DIVER RADIO AND TWO DIVER CCTV #SY-3DAP-D040-R-2DV

ORDERING INFORMATION


Sr.	Part Number	Description
1	SY-3DAP-D040-R-2DV-SF	Portable three diver panel, offshore, imca with radio and diver 1 and diver 2 cctv, side inlet and outlet fittings
2	SY-3DAP-D040-R-2DV-BF	Portable three diver panel, offshore, imca with radio and diver 1 and diver 2 cctv, back inlet and outlet fittings

Sr.	Part Number	Description
1	SY-2830A-11	Amcom iii three-diver rechargeable basic portable communicator
2	SY-UDA-0204	4 core Umbilical air/gas, pneumo, communication and video cables
3	SY-UDA-0103	3 core Umbilical air/gas, pneumo, communication
4	SY-ORANGESHEATH	Full braided protective outer sheath (for complete protection of umbilicals)
5	SY-SPIRAL WRAP	Spiral wrap (in 10 mtr lengths) (for umbilical protection)
	Fittings as below	
6	SY-386-PB-AIR	3/8"x 6 jic phosphor bronze reusable umbilical air/gas hose end fitting
7	SY-144-PB-PNEUMO	1/4" x 4 jic phosphor bronze reusable umbilical pneumo end fitting
8	SY-RMG-3-FS	Marsh marine, 3 pin, Female, 18"
9	SY-BANPLUGS-TWIN	Twin banana plugs surface communication end fitting (Red/Black)
10	SY-RMK-5-FS	Marsh marine, 5 pin, female, 18"
11	SY-K-FLS-D	Locking sleeve, delrin , for RMK-5-FS
12	SY-RMG-3-FS	Marsh mkarine, 3 pin, female, 18"
13	SY-G-FLS-D	Locking sleeve, delrin, for RMG-3-FS
14	SY- MS3108B-18-08P	Cannon right angle amphenol connector is used for connecting the Surface end of the video camera umbilical to the surface video console unit




BESPOKE DESIGNS - ANY CONFIGURATION AS PER CLIENT REQUIREMENT

THREE DIVER PORTABLE PANEL WITH THREE DIVER RADIO AND TWO DIVER CCTV
#SY-3DAP-D040-R-2DV

Contact us

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