

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

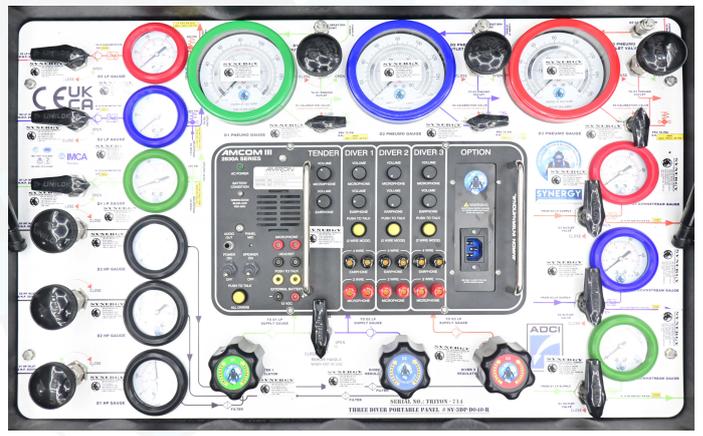


PART NO : SY-3DAP-D040-R-3DV
 Three diver panel with radio and 3 diver cctv system



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

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



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

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

1 x 0-164 fsw/50 msw Depth gauge, 4", 0.25 % accuracy, mirror scale, with calibration point, Diver 2, Color coded Blue 
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1 x 0-164 fsw/50 msw Depth gauge, 4", 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, 70 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 diver 1, diver 2 and diver3
Monitor	TFT 15.5" (split CCTV image for diver 1 / diver 2 / diver 3)
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 Three-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-111 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

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INSPECTION REPORT No: DBA.4.25.139.080525.IR.08.AR Revision No 0

Inspection requested by: M/S. Synergy Innovative Diving Equipment Trading LLC Dubai, UAE
Inspection performed as Recognised Authority: Yes, No
BY Job No: DBA.4.25.139

Project: Third Party Inspection Services
IPD Ref (if applicable):
BV Client: M/S. Synergy Innovative Diving Equipment Trading LLC Dubai, UAE (client to BV)
Manufacturer/Vendor: Synergy Innovative Diving Equipment Trading LLC, Dubai, UAE (client to Manufacturer)
Sub-Vendor (if applicable): N/A
Inspection Location: Al Qasba, Dubai
Previous Inspection (if applicable): N/A
Inspection performed on: 08.05.2025
Next Inspection (if applicable): TBA

MATERIAL / SUBJECT OF INSPECTION

ITEM / TAG No	QTY At per P/O	QTY Offered for inspection
Serial No: TRITON-712	01 No.	01 No.

A - INSPECTION RESULT

Satisfactory (Without comments) Satisfactory with comments (Any of trailing Punch or Non Conformity items is still open) Not Satisfactory (NCR raised during the inspection)

Inspection Summary (for details refer to section E)
Witness of Pneumatic Over Pressure Test of Three Diver Portable Panel, High Pressure Lines @ 3300 psi & Low Pressure Lines @ 330 psi, Serial No: TRITON-712, as per Annexure - A & Found Satisfactory.

Open Non Conformities: Yes, details in section G No
Open Punch List Items: Yes, details in section H No
Release Note issued: Yes, number(s) (Please note number) No
BV Traceability Stamping: Yes, No

Industry & Facilities Division
Third Party Inspection Report

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INSPECTION REPORT No: DBA.4.25.139.080525.IR.08.AR Revision No 0

BV Inspector: Alhaf Raja BV Office: Dubai
BV Coordinator: Delmin M Stephan Inspection Report Date: 08.05.2025

Distribution: CLIENT MANUFACTURER OTHER: Attachments Report: Yes, details in section J No

B - REFERENCE DOCUMENTATION:

Title	Reference n°	Rev.	Approval status	Approved by	Date
Diving Equipment System Inspection Guidance	IMCA D040	1.1	Approved	IMCA	July 2024
Pneumatic Over Pressure Test	SSEL/QMS-M-01	02	Approved	Synergy	May 2018

C - ATTENDEES

Name	Position	Representing
Mr. Alhaf Raja	Lifting Inspector	Bureau Veritas
Mr. Aziz Siddiqui	Technical Supervisor	Synergy

D - MEASURING & TESTING EQUIPMENT USED

Equipment Type	Equipment Identity n°	Last Calibration Date	Expiry Date
Pressure Gauge	125306	07.01.2025	06.01.2028

E - INSPECTION DETAILS

E1 - Details of Witness (W) & Hold (H) Inspection Points

- Manufacturing Progress Status: N/A
- Details of Inspection Activities carried out with reference to ITP:
 - Visual inspection of Three Diver Portable Panel, & Found Satisfactory.
 - Verified the serial No. TRITON-712 of Three Diver Portable Panel.
 - Witnessed pneumatic over pressure of Three Diver Portable Panel as per Annexure - A
 - & Found Satisfactory at the time of inspection.
 - Pressure leak test on pipe work, valves, fittings found satisfactory at the time of inspection.
- Confirmation of certificates:
 - Verified calibration certificates of measuring instruments and found satisfactory.

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Third Party Inspection Report

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E2 - Details of Monitoring and Surveillance Patrols Tick if conducted during the visit
E3 - Details of Certificates Review Tick if conducted during the visit

F - HEALTH, SAFETY & ENVIRONMENT COMMENTS

(Comment on Observations and Actions Taken During the Inspection)
Carried out 2 minutes safety check list & No Safety Concerns were found at the time of inspection

G - NON CONFORMITIES

Item	Description	Status	Raised on	Report No.	Closed on	Report No.	Comments
N/A							

H - PUNCH LIST ITEMS

Item	Description	Status	Raised on	Report No.	Closed on	Report No.	Comments
N/A							

I - DIGITAL PICTURES




Description: Panel Under pressure-Front
Description: Panel Under pressure-Rear

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Third Party Inspection Report

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INSPECTION REPORT No: DBA.4.25.139.080525.IR.08.AR Revision No 0




Description: Serial Number
Description: Cable Plate

J - ATTACHMENTS

Item	Attachment Name	Total Pages	Description
N/A			

Industry & Facilities Division
Third Party Inspection Report

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INSPECTION REPORT No: DBA.4.25.139.080525.IR.08.AR Revision No 0

Annexure -01

Inspection Details:

- Witnessed Pneumatic over pressure test of Three Diver Portable Panel, with the following details.

Description	: Three Diver Portable Panel,
Country of origin	: U.A.E
Manufacturer Serial No.	: TRITON-712
Year of Manufacture	: May 2025
Design pressure	: LP 300 psi / HP 3000 psi
Test pressure	: LP 330 psi / HP 3300 psi
Pneumatic Test Date	: 08.05.2025

Pneumatic Test:

- Pneumatic over pressure test of Three diver portable panel (Serial No: TRITON-712) has been witnessed as per the approved procedure and found the following:
 - Test Pressure gauge calibration certificate was reviewed and found satisfactory.
 - Low Pressure of 330 psi (1.5 times of WP) was applied to the low pressure piping of Three Diver Portable Panel, for 30 mins, no leaks found, satisfactory at time of inspection.
 - High Pressure of 3300 psi (1.1 times of WP) was applied to the high pressure piping of Three Diver Portable Panel, for 30 mins no leaks found, satisfactory at time of inspection.
 - Soap solution leak test was performed on piping, fittings & valves, no leakage found at the time of inspection. Results satisfactory.

END OF REPORT

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Certifications	Provided with each panel
Manufacturer International	Synergy certification IMCA D040
Class	Bureau Veritas pressure test certificates
Warranty	1 year international manufacturer warranty
Weight	35 kg (Approx)

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

ORDERING INFORMATION

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

Contact us



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