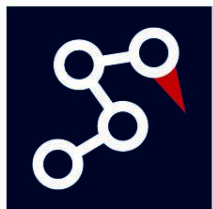


Analogue Outputs with Connectors:

	Power Supply	Small Plug & Socket	M12 connector	MIL-C Spec Connector	Packard Metri-Pak 150 Series	Subconn Subsea Connectors (2, 3 & 4 Pin)
Millivolt 4-wire	2-30V dc	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: -ve output	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: -ve output	Pin A: +ve supply Pin B: -ve supply Pin C: +ve output Pin D: -ve output	N/A	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: -ve output
0.5 to 4.5V 3-wire	2.7-5.5V dc & 8-16V dc	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case	Pin A: +ve supply Pin B: -ve supply Pin C: +ve output Pin D: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case
0-5V, 1-5V, 0-10V 3-wire	13-32V dc	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case	Pin A: +ve supply Pin B: -ve supply Pin C: +ve output Pin D: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case
4-20mA 2-wire	10-32V dc	Pin 1: +ve supply Pin 2: -ve supply Pin 3: NC Pin 4: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply Pin 3: NC Pin 4: Earth to Case	Pin A: +ve supply Pin B: -ve supply Pin C: NC Pin D: Earth to Case	Pin 1: +ve supply Pin 2: -ve supply	Pin 1: +ve supply Pin 2: -ve supply

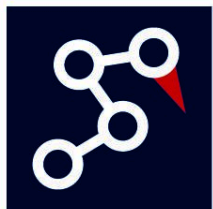


Analogue Outputs with Cables/Wires:

	Power Supply	Cable Gland with PVC Screened Cable	Submersible Cable Outlet with PUR Cable	Submersible Cable Outlet with TPE Cable	Submersible Cable Outlet with PVC Cable	Submersible Cable Outlet with FEP Cable	PVC wires only	PTFE wires only
Millivolt 4-wire	2-30V dc	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: -ve output	Red: +ve supply Blue: -ve supply White: +ve output Yellow: -ve output Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Yellow: -ve output Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Yellow: -ve output Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Yellow: -ve output Grey: Case Connection Grn/Yel: Cable Shield	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: -ve output	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: -ve output
0.5 to 4.5V 3-wire	2.7-5.5V dc	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Yellow: +ve output White: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case
0-5V, 1-5V, 0-10V 3-wire	13-32V dc	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Yellow: +ve output White: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: +ve output Grey: Earth to Case Grn/Yel: Cable Shield	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Green: +ve output Yellow: Earth to Case
4-20mA 2-wire	10-32V dc	Red: +ve supply Blue: -ve supply Green: NC Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Yellow: NC White: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Grey: Earth to Case Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Grey: Earth to Case Grn/Yel: Cable Shield	Red: +ve supply Blue: -ve supply Green: NC Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Green: NC Yellow: Earth to Case

Digital Outputs with Connectors:

	Power Supply	Small Plug & Socket	M12 connector	MIL-C Spec Connector	Packard Metri-Pak 150 Series	Subconn Subsea Connectors (3 & 4 Pin)
SDi-12	6-36V dc	-	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case	Pin A: +ve supply Pin B: -ve supply Pin C: +ve output Pin D: Earth to Case	-	Pin 1: +ve supply Pin 2: -ve supply Pin 3: +ve output Pin 4: Earth to Case
I2c digital 4-wire	2.7-5.5V dc	-	Pin 1: +ve supply Pin 2: -ve supply Pin 3: SCL Pin 4: SDA	-	-	Pin 1: +ve supply Pin 2: -ve supply Pin 3: SCL Pin 4: SDA
SPi digital 6-wire	2.7-5.5V dc	-	-	-	-	-



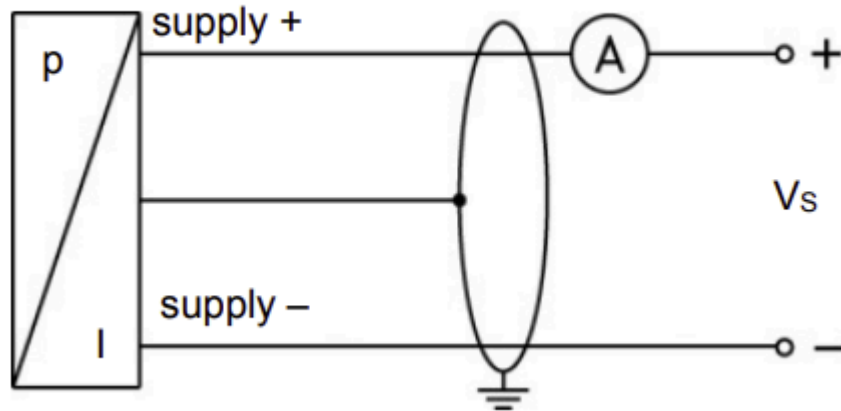
Digital Outputs with Wires/Cables:

	Power Supply	Cable Gland with PVC Screened Cable	Submersible Cable Outlet with PUR Cable	Submersible Cable Outlet with TPE Cable	Submersible Cable Outlet with PVC Cable	Submersible Cable Outlet with FEP Cable	PVC wires only	PTFE wires only
SDi-12	6-36V dc	Red: +ve supply Blue: -ve supply Green: SDI-12 output Yellow: Earth to Case	Red: +ve supply Blue: -ve supply Yellow: SDI-12 output White: Earth to Case Grn/Yel: Cable Screen	Brown: +ve supply White: -ve supply Green: SDI-12 output Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: SDI-12 output Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: SDI-12 output Grey: Case Connection Grn/Yel: Cable Shield	-	-
I2c digital 4-wire	2.7-5.5V dc	Red: +ve supply Blue: -ve supply Green: SCL Yellow: SDA	Red: +ve supply Blue: -ve supply Yellow: SDA White: SCL Grn/Yel: Cable Screen	Brown: +ve supply White: -ve supply Green: SCL Yellow: SDA Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: SCL Yellow: SDA Grey: Case Connection Grn/Yel: Cable Shield	Brown: +ve supply White: -ve supply Green: SCL Yellow: SDA Grey: Case Connection Grn/Yel: Cable Shield	Red: +ve supply Blue: -ve supply Green: SCL Yellow: SDA	Red: +ve supply Blue: -ve supply Green: SCL Yellow: SDA
SPi digital 6-wire	2.7-5.5V dc	Red: +ve supply Blue: -ve supply Green: Chip Select Black: SCK Yellow: MOSI White: MISO	-	-	-	-	Red: +ve supply Blue: -ve supply Green: Chip Select Black: SCK Yellow: MOSI White: MISO	Red: +ve supply Blue: -ve supply Green: Chip Select Black: SCK Yellow: MOSI White: MISO



Analogue wiring example:

2-wire-system (current)



3-wire-system (current / voltage)

