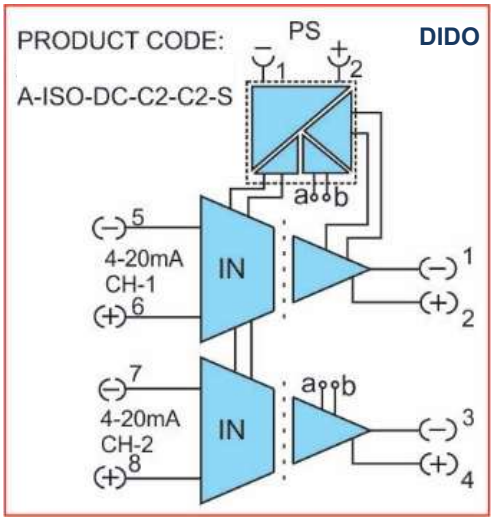
YUTECH
DATASHEETS

SIGNAL ISOLATOR: DC CURRENT ISOLATOR DUAL INDEPENDENT INPUT AND OUTPUT (DIDO)
INPUT: TWO CHANNELS OF INDEPENDENT 4-20mA INPUTS
OUTPUT: TWO CHANNELS OF INDEPENDENT 4-20mA OUTPUTS ACROSS INDEPENDENT BARRIERS
THRESHOLD VOLTAGE OF THE ISOLATION BARRIER: 5KV RMS
POWER SUPPLY:

1. DC POWER SUPPLY: 16 TO 36 VDC, RECOMMENDED: 24VDC. (STANDARD PRODUCTION MODEL).
2. AC POWER SUPPLY: 85-265 AC/DC, (MADE ON SPECIAL REQUEST WITH MOQ OF 100 UNITS).
3. LOOP POWERED WITHOUT EXTERNAL POWER SUPPLY. IT USES SIGNAL'S LOOP POWER. JUST CONNECT THE INPUT AND OUTPUT. RANGE RESTRICTION UPTO 100 m. (MADE ON SPECIAL REQUEST WITH MOQ OF 100 UNITS).

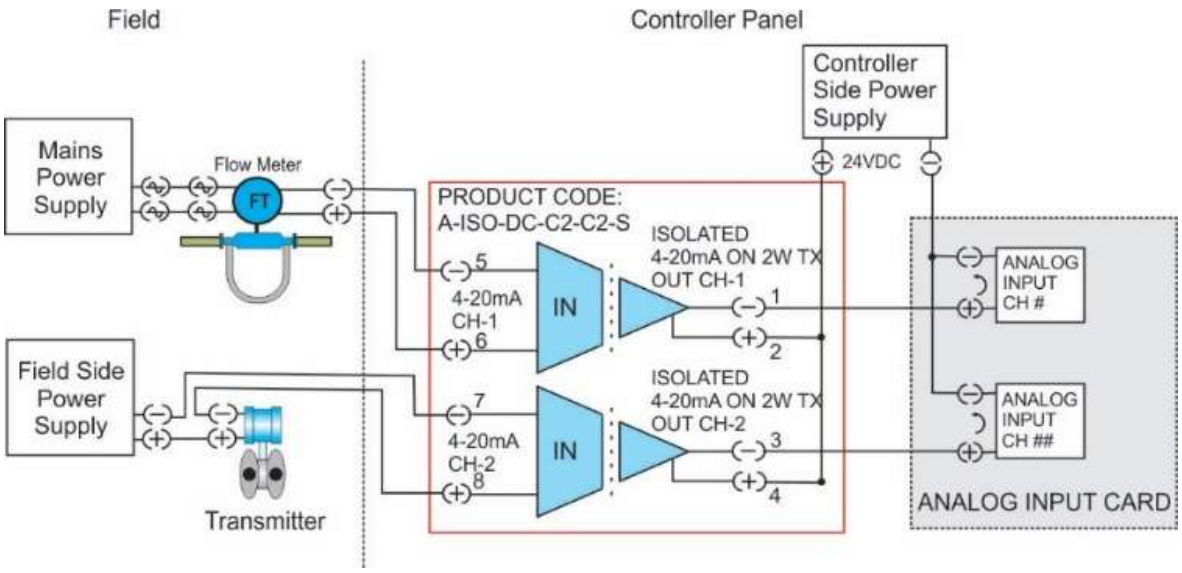




APPLICATION NOTES: (A-ISO-DC-C2-C2-S) DIDO SIGNAL ISOLATOR CAN BE USED IN ANY PLC / DCS PANEL. IT ISOLATES AND REPEATS TWO SIGNALS ACROSS THE 5KV ISOLATION BARRIERS INDEPENDENT OF AND ISOLATED FROM EACH OTHER.

IT DOES THE WORK OF TWO ISOLATORS IN SPACE OF ONE, THUS RETURNING HUGE SAVINGS.

PLEASE TAKE NOTICE THAT THE SHIELDING IS ALWAYS GROUNDED ON THE SIDE THAT RECEIVES THE SIGNAL.



SIGNAL ISOLATORS

DC OR AC CURRENT OR VOLTAGE ISOLATION BARRIERS, SIGNAL SPLITTERS, CT CONVERTERS, TEMPERATURE TRANSMITTERS

YUTECH
DATASHEETS

SIGNAL ISOLATOR SPECIFICATIONS: PRODUCT CODE: A-ISO-DC-C2-C2-S

ENCLOSURE	:	MATERIAL OF CONSTRUCTION – ABS / NYLON, RECTANGULAR SHAPE, DIN RAIL MOUNTED
ENCLOSURE DIMENSIONS	:	W: 22.5mm
INGRESS PROTECTION	:	ENCLOSURE IS IP 40, SHOCK AND CONTAMINATION PROOF
FLAMMABILITY	:	FOR ENCLOSURE - CLASS V0 ACCORDING TO UL 94.
AMBIENT TEMP.	:	-20°C TO 55°C
POWER CONSUMPTION	:	1W MAXIMUM
CHOICE OF AC OR DC POWER SUPPLY	:	DC: 16 TO 36 VDC, WE RECOMMEND 24 VDC STANDARD POWER SUPPLY. AC: NOT AVAILABLE IN THIS CONFIGURATION.
AUXILIARY POWER SUPPLY	:	NOT AVAILABLE IN THIS MODEL
POWER SUPPLY ISOLATION	:	3 POINT, AC OR DC POWER SUPPLY INTERNALLY ISOLATED FROM INPUT AND OUTPUT PS.
BARRIER VOLTAGE	:	THRESHOLD VOLTAGE OF ISOLATION BARRIER IS 5KV RMS
ISOLATION TYPE	:	OPTICAL
INPUT SIGNAL	:	TWO CHANNELS OF INDEPENDENT 4-20mA INPUTS
LOOP VOLTAGE DROP	:	5VDC DROP ACROSS INPUT, FOR 4-20MA INPUT CIRCUITS.
PROTECTIONS	:	REVERSE LOOP PROTECTION FOR DC POWER SUPPLY, EMI & RFI FILTERS FOR INPUT SIGNAL
OUTPUT SIGNAL	:	RESPECTIVE 4-20mA OUTPUTS REPEATED ACROSS SEPARATE INDEPENDANT BARRIERS FOR TWO INDEPENDENT OUTPUT CHANNELS.
MAX OUTPUT LOAD	:	600 OHMS PERMISSIBLE RESISTIVE LOAD FOR CURRENT OUTPUT
MAX NON-LINEARITY	:	±0.1% WITH RESPECT TO FULL SCALE RANGE AT MAXIMUM AMBIENT TEMPERATURE.
OUTPUT CALIBRATION	:	A-ISO RANGE OF PRODUCTS: ON FASCIA, ZERO, AND SPAN ADJUST BY TRIM POT. A10ISO RANGE OF PRODUCTS: ON FASCIA, ZERO, AND SPAN ADJUST BY KEYBOARD

DECODING ISOLATOR PRODUCT CODE:

Item Description	Item Code	Item Specification
Product	A-ISO	Isolators have Analog Circuitry with Zero, and Span adjust by Trim pots.
Description	A10ISO	A-10 Series Isolators have a Micro Controller based Circuitry with a keyboard.
Power Supply	DC / AC	Power Supply Voltage 16-36VDC recommended 24 VDC or Voltage 85 to 265 VAC.
	AP24	24 VDC Auxiliary Power Supply for Two Wire Transmitter.
	XX	No External Power Supply is required, this current isolator is loop-powered.
Input / Output Combinations	C# / V# / U# / R# / RT# / TC& / VH / M# / LTCT / HTCT / AMV / AVH / F / FH	C is 4-20mA, V is 0-10VDC, U is Universal, R is Resistance (0-1000 Ohms), RT is 3W-RTD-PT100, RT4 is 4W-RTD-PT100, RTK is 4W-RTD-PT1000, TC& is Thermocouple, here "&" is replaced by J / K / B / S / R / T for TC Type, VH 0-100VDC, M is 0-1000mVDC, LTCT is Low Tension CT, HTCT is High Tension CT, AMV is 0-1000mVAC, AVH is for 0-100VAC, F is for 0-10KHz @ 1 to 10V, FH is for 0-10KHz @ 20-100VAC
Number of Channels	#	Here "#" is the number of Input or Output Channels. Ex: C1 means 1 Input or Output and C2 means 2 Inputs or Outputs, similarly V1 or V2.
Enclosure	S	Standard 22.5mm Width.
	M	Medium 45mm Width.

PRODUCT CODES FOR DIFFERENT INPUT AND OUTPUT COMBINATIONS:

PRODUCT CODE	ANALOG INPUT 2 INDEPENDENT CHANNELS	ANALOG OUTPUT 2 INDEPENDENT CHANNELS	POWER SUPPLY	DINRAIL MOUNTED ENCLOSURE	INTERNAL NAME
AISOACC2C2S	4-20mA	4-20mA	85-265 AC/DC	22.5mm W	DIDO ACP
AISODCC2C2S	4-20mA	4-20mA	16-36VDC	22.5mm W	DIDO DCP
AISOXXC2C2S	4-20mA	4-20mA	LOOP POWERED	22.5mm W	DIDO LP

PLEASE CHECK THE DATASHEETS AND APPLICATION NOTES FOR VARIOUS ISOLATION PRODUCTS AND ORDERING INFORMATION.

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CERTIFICATIONS:
ISO 9001: 2015
CE

CHANNEL PARTNER