



# YUTECH

## DATASHEETS: DRAUGHT (DRAFT) RANGE PRESSURE TRANSMITTERS

DOC NO: DT-2016-1005

### Draught (Draft) Range Pressure Transmitters:

#### This Product Group contains:

- Positive Draught (Pressure) Transmitters
- Negative Draught (Vacuum) Transmitters
- Combination Draught (Pressure and Vacuum Range) Transmitters

#### Outputs:

- Standard Output is 4-20 mA on 2 Wire Transmitter for all ranges
- Isolated Output is available for all ranges as an option



Draught (Draft) range Pressures are low Pressures thus Sensing is critical. High Accuracy Piezo Resistive Linear Pressure Sensors are used for this application. The Sensors are Gauge Pressure Sensors as the low pressure port of the Sensor is open to atmosphere. Zero and Span Calibration is available on the Face Plate.

#### Datasheet:

##### Common General Specifications for Draught Range Gauge Pressure Sensors

<b>Enclosure</b>	<b>Din Rail Mounted</b>
Material	: ABS
Dimensions (mm)	: L: 107.5, H: 75mm; W: 55 mm
Mounting	: Din Rail Mounted
Ingress Protection	: IP 40, Shock and Contamination Proof.
Flammability	: Class V0 according to UL 94.
Pressure Port	: 1/4" x 6mm Standard PU Tube Connector, Suitable for 6mm PU Tube

##### Specifications:

		<b>Isolated</b>	<b>Non Isolated</b>
Ambient Temperature	: -20°C to 55°C	Yes	Yes
Power Consumption	: For all Isolation Products is less than	0.8W	0.8W
Power Supply Voltage	: 16 to 36 VDC. Reverse Voltage Protection.	Yes	Yes
Power Supply Side Isolation	: 3 Point Isolation.	Yes	NA
Isolation Barrier Voltage	: VDC	3500	NA
Isolation Type	: Isolation Technology used	Mutual Inductance	NA
Output Signal	: DC Current: 4 to 20 mA	Isolated	2 Wire Transmitter
Max Load for Current Output	: Value at 24 VDC Power Supply.	250 Ohm	250 Ohm
Maximum Non-linearity	: Value wrt FSR at maximum ambient temp.	± 0.1%	± 0.1%
Output Calibration	: Span and Zero trim set on fascia	Yes	Yes
Accuracy	: Applying to Full Scale Range	± 0.5%	± 0.5%

##### Ordering Information

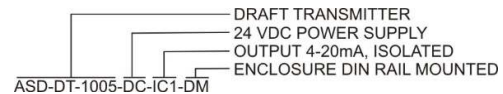
<b>Product Code (PC)</b>	<b>Product Description</b>
<b>ASD-DT-1005-IC1-DM</b>	: Draught Transmitter with Isolated Output, Din Rail Mounted, Selectable Range.
<b>ASD-DT-1005-C1-DM</b>	: Draught Transmitter, Din Rail Mounted, Selectable Range.

**Note:** Please send us the Draft Range along with your PO / Enquiry.

#### Product Coding (PC) Information:

Item Description	Item Code	Item Specification
Product Description	ASD-DT	Draught Range Pressure Transmitter
Power Supply	DC	Power Supply Voltage 24 VDC.
Output	C1	Output DC 4 to 20mA
	IC1	Output DC 4 to 20mA Isolated
Enclosure	DM	Din Rail Mounted

#### Decoding the Product Code:



<b>Draught Range Pressure Transmitter Standard Ranges.</b>	<b>Vacuum</b>	-1000 to 0 mmWC; -10000 to 0 mmWC
<b>Other ranges are available on request.</b>	<b>Draft Pressure</b>	0 – 1000 mmWC; 0 – 10000 mmWC
	<b>Combination</b>	-500 to 500 mmWC

Please visit us at [www.yutech.in](http://www.yutech.in); Please send your enquiries to [sale@yutech.in](mailto:sale@yutech.in)

#### YU Technologies Pvt. Ltd.

Registered Office: 315, A-1, 22, Manishanagar, Off Sahyadrinagar, Sangli-416 416, Maharashtra, India.

Works: B 8/5, Opp. MSEB Substation, MIDC, Miraj - 416 410, Dt. Sangli, Maharashtra, India.

T: + 91 233 6451802; F: +91 233 2644042; E: [info@yutech.in](mailto:info@yutech.in), [sale@yutech.in](mailto:sale@yutech.in), W: [www.yutech.in](http://www.yutech.in)