

ATEX and IECEx Group II certified. General purpose, side-entry velocity transducer with DC output. Made from robust stainless steel throughout for continuous vibration monitoring in harsh industrial environments. Internal electronics are enclosed in a Faraday cage and isolated to minimise noise. Sealed to IP67 with industry standard two wire 4-20mA output proportional to sensor range that can connect directly to PLC, DCS and other industrial controllers. Includes a 2-pin MS connector and ¼"-28UNF, M6 or M8 mounting bolt.

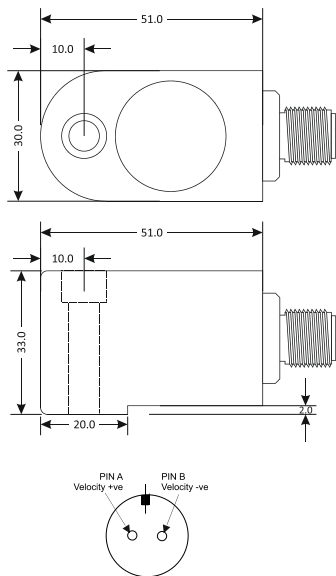
## Applications

- Intrinsically safe data collector
- Oil & gas
- Motors, fans, compressors, pumps
- Petrochemical

## MTN/2285IS-2P



## Dimensions



## Technical

Output current	4-20mA DC proportional to rms velocity (mm/s)
Supply voltage	12-32V DC (4-20mA)
Frequency response	2Hz to 1kHz $\pm 10\%$
Mounted base resonance	5kHz (nominal)
Isolation	Electronics in Faraday cage, isolated from body
Dynamic range	50g peak
Temperature sensitivity	0.08%/°C
Transverse sensitivity	Less than 5%
Temperature range	$(-55^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C})$
Case material	Stainless steel
Maximum cable length	See system drawing ATX038
Mounting torque	8Nm
Weight	140g (nominal)
Sealing	IP67

## Certificate Details

Group II <sup>1</sup>	BAS02ATEX1057X and IECEx BAS 08.0013X Ex ia IIC T6 Ga $(-55^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C})$ Ex ia IIIC T85°C DA $(-55^{\circ}\text{C} \leq T_a \leq +65^{\circ}\text{C})$
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Terminal parameters	$U_i = 28\text{V}$ , $I_i = 93\text{mA}$ , $P_i = 0.65\text{W}$ For Ci and Li see certificate
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Barrier	MTL787S, BAS01ATEX7202 or P&FZ787, BAS01ATEX7005 or any other barrier that conforms to note 4 of ATX038 (Available on request)
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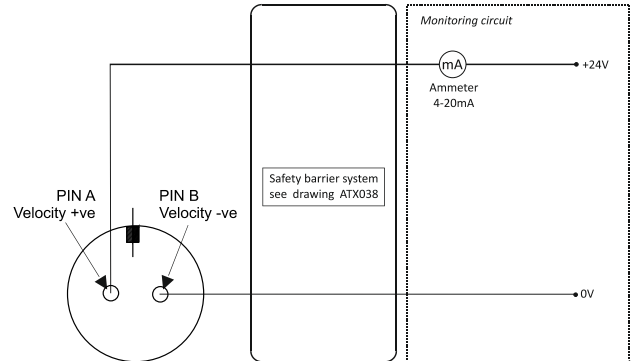


## Options

- Dust option (Group II only)
- Filters
- Mounting threads
- Other velocities (see below)
- Mating connectors and cable assemblies

Part #	Mounting	xx = Optional velocity (mm/s rms)
MTN/2285IS-2P-xx	¼" UNF x 33mm	0-10
		0-20
MTN/2285ISM6-2P-xx	M6 x 35mm	0-25
		0-50
MTN/2285ISM8-2P-xx	M8 x 28mm	0-100

## System connection



*Note: Care should be taken not to install this in a high velocity dust laden atmosphere.*

<sup>1</sup>Warning ref Group II: The Ci and Li were previously lower. The Installer must take account of the increase in internal capacitance and inductance present on this apparatus.