

DUST DETECTORS DUST MINI



DUST MINI

GENERALS

THE DUST MINI DETECTORS ARE SUITABLE FOR ANY TYPE OF FILTERING PLANT OR CHIMNEY. THE ELECTROSTATIC CHARGES PRESENT IN THE DUST ARE CAPTURED BY AN ELECTRODE SUBMERGED IN GASEOUS FLOW AND PROCESSED TO OBTAIN AN ELECTRIC SIGNAL PROPORTIONAL TO THEIR QUANTITY.

PROBE POWER SUPPLY	12÷27 Vdc 1 W
DMA-M MODULE POWER SUPPLY	115/230 Vac 3 VA (24/48 Vac on request)
ELECTRODE LENGHT	DUSTMINI / DUSTMINI-DD: 27 mm DUSTMINI-LT / DUSTMINI-HT: up to 1,5 m
DETECTABLE CONCENTRATIONS	0,01÷5000 mg/m ³
MINIMUM SPEED OF THE PROCESS	> 5 m/s
MOBILE MEDIA MODE RESPONSE TIME	Proportional to the concentration and the average time set
ACTUAL MEDIA MODE RESPONSE TIME	Actual value = 2 sec Average value = 10 or 30 min
PROBE OUTPUTS	Display with 3-color LED (Green, Yellow, Red) Transistors normally operated Max capacity = 125mA Max voltage = 30 Vdc Max drop = 1V
RELAY OF THE DMA-M MODULE	220 Vac max 2A
DMA-M MODULE TEMPERATURE	110 Vdc max 0,5A (non-inductive load)
AMBIENT TEMPERATURE PROBE	-20°C / +40°C (-4°F / +104°F)
PROCESS TEMPERATURE PROBE FOR DUSTMINI-DD / DUSTMINI-LT MODELS	-20°C / +60°C (-4°F / +140°F)
PROCESS TEMPERATURE PROBE FOR DUSTMINI-HT MODEL	-20°C / +100°C (-4°F / +284°F)
PROCESS RELATIVE HUMIDITY	-20°C / +400°C (-4°F / +752°F)
ELECTRODE SIDE PRESSURE	75% non-condensing
PROBE DEGREE OF PROTECTION	1 bar (100 kPa)
PROBE MATERIAL AND DEGREE OF PROTECTION	IP 66
DMA-M MATERIAL AND DEGREE OF PROTECTION	Cast aluminium IP 66
MARKING	ABS 110x110x70 mm IP 65 II 3G ExnL IIC T6 II 3D Ex tD A22 IP66 T 85°C

PRODUCT CODE	PREZZO (€)	DESCRIZIONE	
DDMINI	a.r.	2 m cable. It is born for small installations, where the auxiliary module can be connected directly to the cable supplied, with diameter of the pipeline max. 80-100 cm, max. 50-60°C temperature. Obviously the cable may possibly be joined	
DDMINI/DD	a.r.	It is equipped with terminal board for electrical connections. Its container is suitable for pipes of up to 80-100 cm. and max temperature of 50-60°C and on larger plants	
DDMINI/LT	a.r.	It provides for the mounting of 1"1/2 socket and allows the use of large systems, up to a maximum of 5-6 m diameter, at temperatures up to max. 60-70°C	
DDMINI/HT	a.r.	It allows the use on plants with high process temperatures, max. 350-400°C. Moreover, given its characteristics suitable to high temperatures, the anti-condensation Kit, T0102 can be used. By keeping the insulator of the probe at 130-150°C it prevents the formation of condensation during cold starting in wet processes	

• Material normally in stock * For pricing please contact the Sales Department

WE CAN PROVIDE AUXILIARY MODULES WITH ACOUSTIC AND VISUAL ALARMS.

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