

MAIN DESCRIPTION

BRYSCAN™ sensors series Moisture Minder™ accurately displays the actual moisture content of plastic pellets or regrind, in % or PPM (parts per million). Moisture Minder™ sensors can be easily installed on hoppers, silos, extruders or any production line. Sensors are built using high quality components, to the highest standards and specifications guaranteed by the Swiss-made technology. Trending screens are standard on the controls and options are available to divert or re-circulate material that is out-of-spec.

FEATURES

Rugged steel body - Compact design - Auto-calibration – Standard M12 connection – Electronic board with automotive components – Platinum RTD Class A – optical sensor.

SECTORS OF USE

Polymers/ Plastic resins



Sensor	M5	M100	Units
Temperature range	20-200	20-140	°C
Moisture range	10-1000 / 0.001-0.1	00-3000 / 0.01-0.3	ppm/%
Accuracy	Comply with ASTM D7191-10	Comply with ASTM D7191-10	R
Stability	Comply with ASTM D7191-10	Comply with ASTM D7191-10	R
Sample rate [MAX]	2500	2500	Kg/h
Typical application [examples]	PET / PETG / PSU / PEI / LCP ...	ABS / PC / PA / ACETAL / ACRYLIC	
Working condition	Fully filled with product	Fully filled with product	



Supply		Serial Port		Temperature and Humidity	
Voltage	24 VCC	Type	Rs-485	Operating Temperature	10...+110 °C
Current consumption	50 mA Typ.@ 24VDC	Protocol	Modbus RTU	Stocking Temperature	-40...+85 °C
Reverse polarity protection	60VDC max 1 min.	Baud rate	34800 bps	Humidity range (no condensing)	0-90 %
		Connector	M12 – 5 pins male	RTD Platinum	Class A – IEC751 Accuracy +/- 0.15 °C
				Optical Sensor	Resolution of 0.02 °C
EMC Standards		Insulation		Case	
DIRECTIVE 2004/108/EC		Insulation	1500 VAC	Material	INOX
Immunity	EN61000-6-2			Assembly	n. 8 M8 x 10mm
Emission	EN61000-6-2			Dimensions	247x158x154 mm
				Weight	5,70 Kg

