

# M-IIS V3 VISCOSIMETER

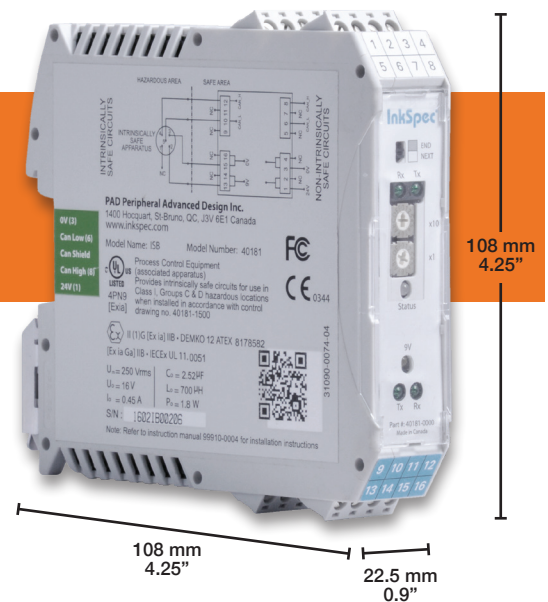
## Featuring Patented Acoustic Suspension Technology

- Most reliable, stable & highest accuracy device ever developed by INKSPEC
- Designed to flourish with current and ever evolving future complex ink/fluid chemistries
- For those seeking viscosity consistency job after job, THIS IS THE VISCOMETER FOR YOU



## INTRINSICALLY SAFE BARRIER (ISB)

- GALVANIC INSULATOR
- DESIGNED & MANUFACTURED BY INKSPEC
- PROTOCOL BAUD RATE CONVERTER
- EASY, STACKABLE INSTALLATION FOR OPTIMISED COMMUNICATION WIRING



## M-IIS V3 TECHNICAL SPECIFICATIONS\*

	WM (Water base)	MI (Solvent base)
Viscosity Measuring Range	0 to 500 CPS Standard** and equivalent flow cup seconds	
Temperature Measuring Range	10 to 50°C (50 to 122 °F)	
Repeatability	± 1 % of reading	
Storage Temperature	-10 to +60°C (14 to 140 °F)	
Communication	CAN BUS /CANopen***	
Power	1.8W, 9-24 VDC	1.8W, 9VDC
Working Pressure	Max. 7 bar (~100 psi)	
Flow Rate	Max. 25 l/min (6.6 US gal/min) **	

\* These values are valid with laminar flows and in Newtonian fluids. \*\* Higher range upon request. \*\*\* Only the basic functionality of CANopen protocol is used.

## M-IIS V3 GENERAL SPECIFICATIONS

	WM (Water base)	MI (Solvent base)
Wetted Material	Stainless steel 316 and teflon	
Weight Measuring Element	3.3 kg (7.3 lbs)	
Overall Dimensions	Height ≈ 182,5 mm (7.18 in), ø ≈ 126,1 mm (4.97 in)	
Threads	3/4 NPT fluid port, others available upon request	
Solvent Resistance	Alcohol, acetates, ketones, glycol ether and many others	
Unit Measurements	Centipoises, centistokes and cup seconds	
Certifications	Declaration of CE conformity Intrinsic Safety MIIS sensor (UL) : Class I, Div. 1, Groups C, D Intrinsic Safety MIIS sensor (ATEX) : II 1G Ex ia IIB T4 (zone 0) Intrinsic Safety MIIS sensor (IECEX) : Ex ia IIB T4 Ga FCC	



## ISB-INTRINSICALLY SAFE BARRIER TECHNICAL SPECIFICATIONS

Operating Temperature	0°C to 50°C (32 to 122 °F)
Storage Temperature	-10°C to +60°C (14 to 140 °F)
Power	Max. 6 W (0.25 Amp)
Voltage IN / Voltage OUT	IN - 24 VDC ± 10% / OUT - 9 VDC
Communication Details	CAN BUS
Certifications	Declaration of CE conformity Intrinsic Safety Barrier (UL) : Provides intrinsically safe circuits for use in Class I, Division 1, Groups C & D Intrinsic Safety Barrier (ATEX) : II (1)G [Ex ia] IIB Intrinsic Safety Barrier (IECEX) : [Ex ia Ga] IIB FCC



This documentation is not contractual information.  
Specifications are subject to modification without notice.



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