

IRM-4SS Manual Insertion Probe Regulator



REGULATE



SAMPLE



CONDITION



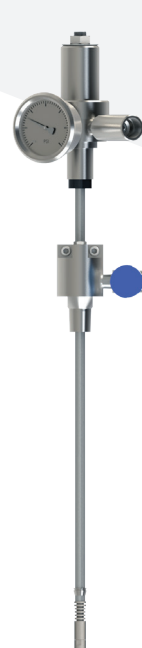
The Welker Original IRM-4SS Manual Insertion Probe Regulator delivers a continuous supply of representative samples to an analyzer at the appropriate pressure for real-time natural gas analysis of high-volume lines.

FEATURES

- Adjustable insertion length
- Pressure-regulating probe tip with thermal exchange fins
- Low internal volume
- Diaphragm regulator for precise adjustments
- Welker Spring Range Kit (Optional)
- Insertable up to 450 psig

BENEFITS

- No insertion tool needed
- Lower inserted profile
- Retractable shaft allows for pipeline pigging and inspection or equipment maintenance without costly shutdowns
- Collect representative samples from the center one-third of the pipeline
- Regulation point in the pipeline
- Mitigate the Joule-Thomson effect and prevent sample condensation
- Reduced lag time
- Real-time sample analysis
- Precise pressure control protects sensitive analytical devices
- Easily swap springs to change the pressure control range for a new application or downstream device (optional)
- No venting of process gas during insertion or retraction



Standard IRM



IRM with Flange

SPECIFICATIONS

IRM-4SS Manual Insertion Probe Regulator

IRM-4SS

Materials of Construction	316/316L Stainless Steel
Maximum Allowable Operating Pressure	2,160 psig @ -20 °F to 100 °F (148 bar @ -29 °C to 37 °C)
Seat Material	Kel-F®
Seal Material	Viton®
Pipeline Connection	¾" MNPT or 1" MNPT
Outlet Connection	¼" FNPT (Flanged options available)
Output Range	0-25 psig
	0-50 psig
	20-100 psig
	75-200 psig
Insertion Length Options	0-12", 0-18"
Mounting	Vertical
Probe Diameter	⅜" Shaft
Options	Insulation Blanket
	Liquid Knockout Probe Tip
	NACE Compliance
Industry Standards	API 14.1, GPA 2166, ISO 10715

Weight and/or dimensions are approximate.
Specifications subject to change without notice.

