

FS3005 Grease Flow Sensor

RELIABLE

FAST

COMPACT

Flow Sensor or Monitor for Grease

■	Base mounted for quick change with minimal downtime	■	Functions with NLGI #1 viscosity grease or heavy oil
■	Micro connector for quick electrical connections	■	Short response time for high production greasing
■	Operates on 10 to 30 VDC	■	Dependable inductive proximity circuit with digital output



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RELIABLE AND FAST

The FS3005 Flow Sensor uses a sealed electronic inductive proximity circuit, non-magnetic steel ball, and a precision-machined nylon seat for high speed, accurate, reliable operation.

COMPACT & BASE MOUNTABLE

The FS3005 Flow Sensor is small, (about 5" long, 2" high, and 1 1/4" wide) and can be installed on a base that is only 3/4" high. Multiple sensors can be installed on multi-station bases on 1 3/4" centers. The male plug-in Micro connector rotates through 304 deg. for wiring flexibility.

FS3005 GENERAL SPECIFICATIONS

Media	NLGI #000 through NLGI #1 grease and heavy oil (600 SUS and up) compatible with neoprene seals	Response Time with increasing flow **	0.10 second when adjusted to sense increasing flow. 0.20 second when adjusted to sense decreasing flow
Pressure Rating	3000 p.s.i. (206 bar)	Response time with decreasing flow **	0.10 second when adjusted to sense decreasing flow. 0.20 second when adjusted to sense increasing flow
Flow Range **	1.5 to 20 cc per second	Supply Voltage	10 to 30 VDC
Material Inlet Port	1/4" diameter with float gasket to fit base	Adjustment	None - Fixed
Material Outlet Port	3/16" diameter with flat gasket to fit base	Switch Output	On when flow rate is below the set point
Ambient Temperature	32 to 140° F. (0 to 60° C.)	Switch Load Capacity	200 mA
Dimensions	See Drawing KA5090	Switching	DC PNP
Manifold or Base	Any G. P. Reeves FSM2000 series	Shipping Weight	2 lb. less base and cord

** With NLGI #1 Grease at 70° F.

Options and Accessories

Part Number	Description	Part Number	Description
FSM2001	Single station base with 1/8 NPT side ports	FSM2000-5	Five station base with 1/8 NPT end ports
FSM2002	Single station base with 1/4 NPT side ports	FSM2000-6	Six station base with 1/8 NPT end ports
FSM2003	Single station base with 3/8 NPT side ports	FSM2000-7	Seven station base with 1/8 NPT end ports
FSM2000-1	Single station base with 1/8 NPT end ports	FSM2000-8	Eight station base with 1/8 NPT end ports
FSM2000-2	Two station base with 1/8 NPT end ports	1850	5 meter long straight cord with 4-pin Micro Connector
FSM2000-3	Three station base with 1/8 NPT end ports	1851	5 meter long 90 deg. cord with 4-pin Micro Connector
FSM2000-4	Four station base with 1/8 NPT end ports		

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