



Multi-Stix 314™ Proportional Plow Control

Product Summary	<ul style="list-style-type: none"> • Three, 2 axis joysticks for proportional control of hydraulic devices (i.e. hoist, plow, wing, etc) • Utilizes Mako Trim™, a Windows® compatible program to set the speed of each direction of motion individually without wiring or hydraulic modifications;
Product Application	<ul style="list-style-type: none"> • Multiple vehicle types (Patrol Trucks for snow/ice, garbage and leaf collection); • Control of each hydraulic function on an individual joystick;
Device & Signal Capacity	<ul style="list-style-type: none"> • Up to 5 devices; control motion up to 14 ways; • 14 independent PWM channels; • Frequency settable from 40 – 450 Hz;
Joystick Button	<ul style="list-style-type: none"> • IP 68 top switch for safety interlock (hoist) or second mode actuation;
Axis and Range of Joystick Motion	<ul style="list-style-type: none"> • Two axes of joystick motion: X, & Y; • 27 degrees of motion available in each axis;
Joystick Signal	<ul style="list-style-type: none"> • True “Hall Effect” (Magnetic) joystick with no mechanical contacts;
Joystick Self Test and Diagnostics	<ul style="list-style-type: none"> • Mako™ completes a self test of the joystick during each power up cycle; • SafeStik™ automatically disables the axis if an axis fails during use; • Joystick diagnostics for each axis of motion is visible to technician on LCD & at valve body; • Channel Safe™ detects and protects against open or short circuits on hydraulic drive channels;
Float Functions	<ul style="list-style-type: none"> • User settable float controls for plow, wing toe, wing heel and blade;
Plow Control Interlocked Features	<ul style="list-style-type: none"> • Hoist lock, Hoist Limit, Plow, Wing & Blade lock (requires external sensor, key or switch);
Electronic Backpack	<ul style="list-style-type: none"> • Mako™ System communicating on Cirus Bus;
System Controller	<ul style="list-style-type: none"> • Mako Trim™ works on any Windows® 2000 or newer computer; software included; • Field configurable buttons and function names;
System Mounting	<ul style="list-style-type: none"> • Seat-mounted or pedestal mounted Flip-Arm Console; • Seat-mounted or pedestal mounted Mini-Angle Deck Console;
Warning Indicators	<ul style="list-style-type: none"> • Up to 8 labeled and colored indicators integrated into the joystick housing;
Operating Temperature Range	<ul style="list-style-type: none"> • Minimum: -20 degrees Centigrade; Maximum: 70 degrees Centigrade;
Power Requirements	<ul style="list-style-type: none"> • Minimum: 11 Volts DC; Maximum: 15 Volts DC • Maximum: 10 Amps (Internal fuses rated at 10 Amps)