Reliable Detection of Plugged Tips in a New, ISOBUS Compatible Design

Plugged or partially blocked spray tips can have a significant impact on the quality of your application. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply - all of which can be costly. The Sentry 6141 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors mounted at each spray tip location monitor the flow through the tip and provide instantaneous feedback to the operator should a tip become clogged. By eliminating the need to detect plugged tips visually from the cab, operators can cover more acres in a day, and know, with confidence, that their sprayer, planter or fertilizer applicator is operating properly.

Sentry 6141 Tip Flow Monitor

- Individually monitor flow performance from every spray tip or metering orifice on your equipment.
- Sentry 6141 utilizes a compact flow meter integrated into each nozzle body.
- With an ISOBUS compatible design, Sentry 6141 can connect to an existing TeeJet or third party Universal Terminal (UT) and eliminates the need for an additional console in the cab.
- Flow meter detects flow variation caused by clogs, nozzle damage or loss, or upstream flow restrictions.
- System can monitor up to 120 spray nozzles simultaneously.
- Error is indicated by audible alarm, display notification and illuminated LED at the affected nozzle.
- Flow meters rated from 0.15-2.5 GPM (0.6-9.5 l/min) and maximum pressure of 150 PSI (10 bar).

SENTRY 6141 ISOBUS TIP FLOW MONITOR

Part Number | Description
--- | ---
90-02907 | Kit, Basic Sentry 6141, Multiple Sections (1-15) Includes: ISO Tip Flow Monitor Interface, ISO TFMI Harness, Boom Interface Module, Boom Sense 1-15 Harness, CAN Terminators
90-02906 | Kit, Basic Sentry 6141, Single Section Includes: ISO Tip Flow Monitor Interface, ISO TFMI Harness, Boom Interface Module, Boom Sense Single Section, CAN Terminators

Step 2: Choose Tip Sensor Kit

- **90-02861** Kit, Dual Flow Sensor Includes: 2 flowmeters and 1 dual tip sensor interface
- **90-02862** Kit, Single Flow Sensor Includes: 1 flowmeter and 1 single tip sensor interface
- **90-02902** Kit, Single Flow Sensor with 50 in/127 cm Sensor Leads Includes: 1 flowmeter and 1 single tip sensor interface
- **90-02903** Kit, Dual Flow Sensor with 10 in/25.4 cm Sensor Leads Includes: 2 flowmeters and 1 dual tip sensor interface

Step 3: Choose ISOBUS Connection Cable

- **45-09034** Cable, ISOBUS TFMI Tee, John Deere 12 Pins
- **45-09035** Cable, ISOBUS TFMI Tee, Raven
- **45-09036** Cable, ISOBUS TFMI Tee, Case IH
- **45-09038** Cable, ISOBUS TFMI Tee, BBC ISO Hitch

Step 4: Choose Extension Cables

- **45-05857** Cable, 3’/0.9m Sensor Extension
- **45-05858** Cable, 6’/1.8m Sensor Extension
- **45-05859** Cable, 12‘/3.7m Sensor Extension
- **45-05864** Cable, 35’/10.6m Sensor Extension

Components

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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>45-05855</td>
<td>Terminator, Female</td>
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<td>78-05117</td>
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<tr>
<td>78-05118</td>
<td>Interface, Dual Tip Sensor, with 50 in/127 cm Sensor Leads</td>
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TeeJet Technologies
A Subsidiary of Spraying Systems Co.
For Sprayers and Applicators with Multiple Boom Sections

John Deere
"T" Cable 45-09123

Raven
"T" Cable 45-09123

Case IH
"T" Cable 45-09123

IBBC ISO Hitch "T" Cable 45-09123

ISOBUS TFMI Harness 45-09123

Dual Tip Sensor Interface 78-05110

Terminator Female 45-05855

Nozzle Flowmeter 57-00122

Extension Cables 45-05057: 36' / 10.9m
45-05055: 88' / 26.8m
45-05059: 132' / 40.5m
45-05064: 339' / 102.3m

For Applicators and Planters with Single Boom Section

John Deere
"T" Cable 45-09123

Raven
"T" Cable 45-09123

Case IH
"T" Cable 45-09123

IBBC ISO Hitch "T" Cable 45-09123

ISOBUS TFMI Harness 45-09123

Tag Terminal Male 45-05856

Nozzle Flowmeter 57-00122

Extension Cables 45-05057: 36' / 10.9m
45-05055: 88' / 26.8m
45-05059: 132' / 40.5m
45-05064: 339' / 102.3m

More About Sentry 6141

The turbine style flow meter used with the Sentry 6141 Tip Flow Monitor is compact, reliable and proven. The threaded connection allows the sensor to be added onto a wide range of standard TeeJet single and multiple outlet nozzle bodies. ChemSaver® diaphragm check valves remain in place to provide positive spray tip shutoff. Ample clearance inside the flow meter means minimal flow restriction and generous free passage for particles contained in the spray solution. Long wearing materials are used in bearing surfaces to ensure a consistent flow reading. The flow meter sensor is mounted externally to prevent direct contact with the spray solution for long-term reliability.