

SENTRY 6141 ISOBUS TIP FLOW MONITOR

Sentry 6141 System Ordering Information

Part Number	Description
Step 1: Choose a Sentry 6141 Basic Kit	
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 50 in/127 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 Pos
45-09035	Cable, ISOBUS TFMI Tee, Raven
45-09036	Cable, ISOBUS TFMI Tee, Case IH
45-09038	Cable, ISOBUS TFMI Tee, IBBC 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

Part Number	Description
45-05855	Terminator, Female
45-05856	Terminator, Male
45-10142	Harness, BIM Multiple Sections (1-15)
45-09037	Harness, ISOBUS Tip Flow Monitor Interface
45-10159	Harness, BIM Single Boom Status, With Switch
57-00122	Flowmeter Assy., Tip Flow
57-00123	Gasket, Tip Flow Meter
78-05091	Boom Interface Module
78-05119	Interface, ISOBUS Tip Flow Monitor
78-05104	Interface, Single Tip Sensor
78-05105	Interface, Dual Tip Sensor
78-05117	Interface, Tip Sensor, with 50 in/127 cm Sensor Leads
78-05118	Interface, Dual Tip Sensor, with 50 in/127 cm Sensor Leads



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SENTRY 6141

ISOBUS TIP FLOW MONITOR



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.

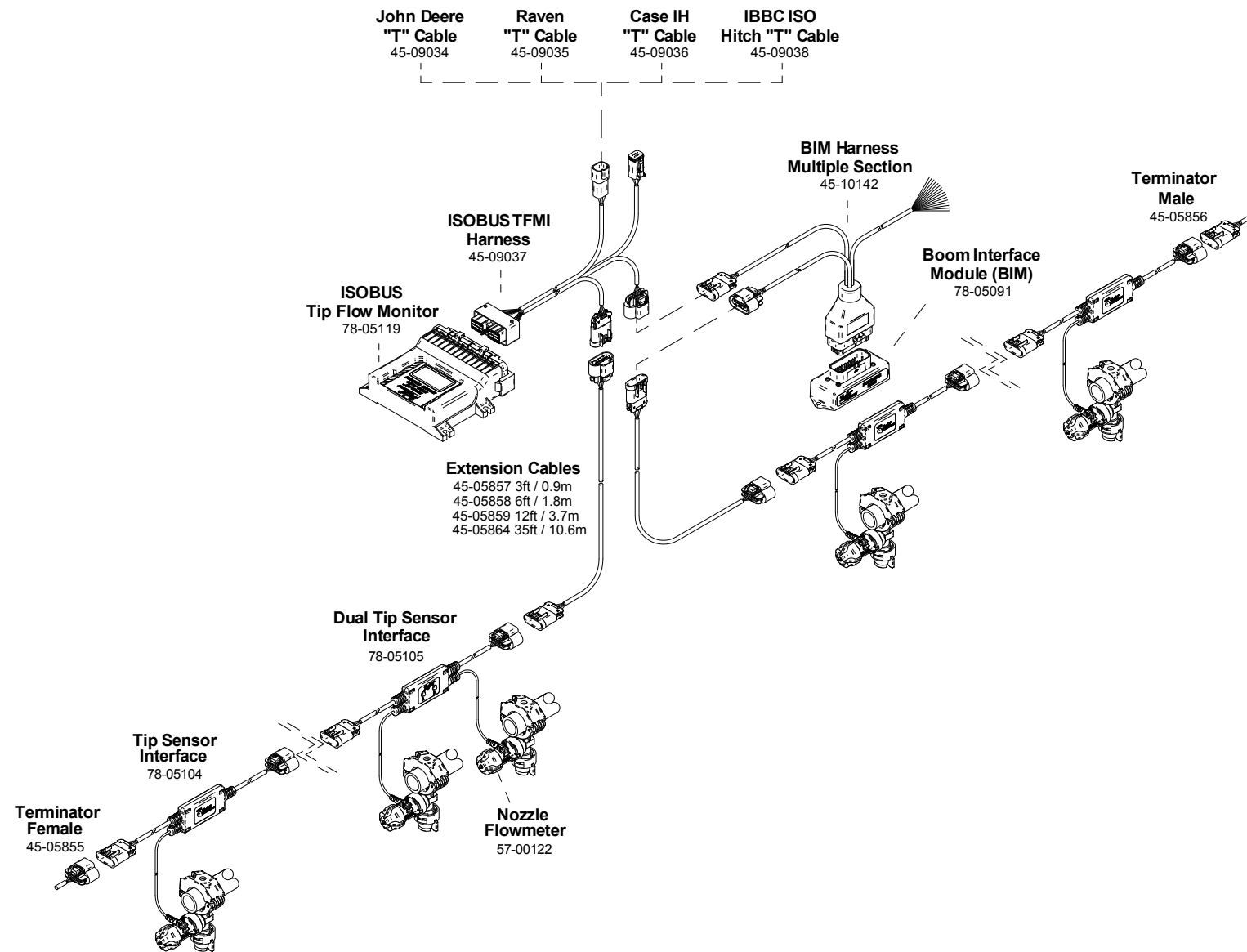
Sentry 6141 Tip Flow Monitor

- 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).

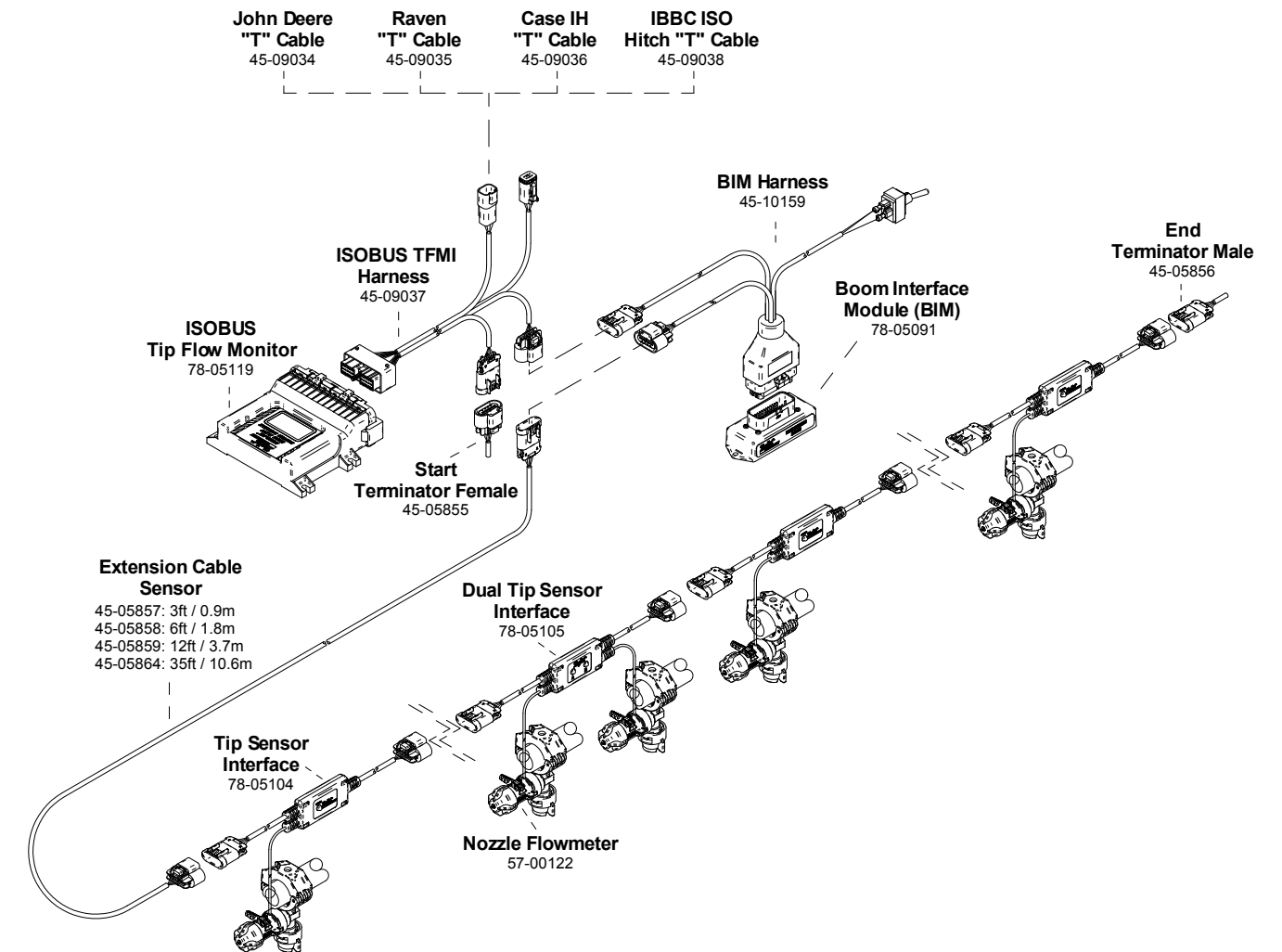
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For Sprayers and Applicators with Multiple Boom Sections



For Applicators and Planters with Single Boom Section



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.

FLOW METER CROSS SECTION

