

Your Global Automation Partner

TURCK

Uprox[®]3 for Automotive



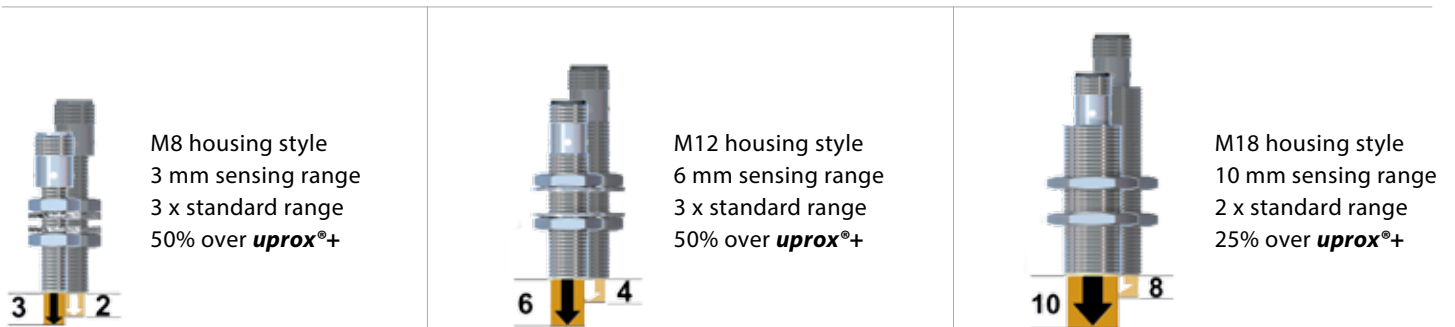
New Uprox3 Series

Turck announces the **uprox[®]3** series of sensors, which offers the longest sensing ranges of all Factor 1 sensors on the market. The increased performance is due to the latest chip set and manufacturing technologies.

The Uprox3 series has a patented coil design that is inherently immune to magnetic fields and is suitable for use in many demanding industrial sectors, such as welding for the automotive and metal forming markets. The new Uprox3 series is available with robust PTFE coated sensors in M8, M12, M18 and M30 designs and includes options for **weldguard[®]**, which resists high heat and weld slag buildup.

Uprox3 sensors are the third generation of Turck's Uprox Factor 1 sensors. Although the existing Uprox+ sensors offered long sensing ranges for all metals, these distances are increased by as much as 50 percent in the new sensors. It was previously unattainable to sense 3 mm in the M8 design, 6 mm in M12, 10 mm in M18, and 20 mm in M30. Turck has been able to achieve these longer sensing ranges without any compromises in performance because of our research and development programs. The Uprox3 sensors still offer outstanding application reliability for demanding sensing tasks, but also allow for the possibility of completely new installations.

Longest sensing ranges, completely flush mountable, and Factor 1



Product Specifications

- Factor 1 - senses all metals at the same range
- 10 - 30 VDC operating voltage
- PNP and NPN versions available
- 150 mA (8 mm) or 200 mA (12 and 18 mm) output current
- Short circuit protected
- -25° to +70°C operating temperature
- PTFE coated barrels resists adhesion by weld slag
- Optional weldguard protects the front sensing face against molten splatter in resistance welding applications

Selling Strengths

- No correction factor for non-ferrous metals
- Sensing ranges to all metals increased by as much as 50 percent
- Longest Factor 1 sensing ranges on the market
- Can be flush or non-flush mounted without impacting sensing range
- Inherently weld field immune
- Fast sensing response time
- Third generation of proven and trusted Uprox series

Target Markets

- Automotive
- Factory automation
- Metal forming
- Any application with multiple metals present

Housing	Part Number	ID Number	Sensing Range (mm)	Output	Product Features
	BI 3U-EMT08-AN6X-V1131	S4602157	3	DC 3-wire NPN	PTFE Coated
	BI 3U-EMT08-AP6X-V1131	S4602155	3	DC 3-wire PNP	PTFE Coated
	BI 3U-EMT08-AP6X-V1131/ S1589	S4602155-000	3	DC 3-wire PNP	PTFE and Weldguard Coated
	BI 3U-EMT08-AN6X-H1431	S4602158	3	DC 3-wire NPN	PTFE Coated
	BI 3U-EMT08-AP6X-H1341	S4602156	3	DC 3-wire PNP	PTFE Coated
	BI 3U-EMT08-AP6X-H1341/ S1589	S4602156-000	3	DC 3-wire PNP	PTFE and Weldguard Coated
	BI 6U-MT12-AN6X-H1141	M1644822	6	DC 3-wire NPN	PTFE Coated
	BI 6U-MT12-AP6X2-H1141	M1644904	6	DC 3-wire PNP	PTFE Coated with Dual LEDs
	BI 6U-MT12-AP6X-H1141	M1644811	6	DC 3-wire PNP	PTFE Coated
	BI 6U-MT12-AN6X-H1141/ S1589	M1644822-000	6	DC 3-wire NPN	PTFE and Weldguard Coated
	BI 6U-MT12-AP6X2-H1141/ S1589	M1644904-000	6	DC 3-wire PNP	PTFE and Weldguard Coated with Dual LEDs
	BI 6U-MT12-AP6X-H1141/ S1589	M1644811-000	6	DC 3-wire PNP	PTFE and Weldguard Coated
	BI10U-MT18-AN6X-H1141	M1644858	10	DC 3-wire NPN	PTFE Coated
	BI10U-MT18-AP6X2-H1141	M1644905	10	DC 3-wire PNP	PTFE Coated with Dual LEDs
	BI10U-MT18-AP6X-H1141	M1644831	10	DC 3-wire PNP	PTFE Coated
	BI10U-MT18-AN6X-H1141/ S1589	M1644858-000	10	DC 3-wire NPN	PTFE and Weldguard Coated
	BI10U-MT18-AP6X2-H1141/ S1589	M1644905-000	10	DC 3-wire PNP	PTFE and Weldguard Coated with Dual LEDs
	BI10U-MT18-AP6X-H1141/ S1589	M1644831-000	10	DC 3-wire PNP	PTFE and Weldguard Coated
	BI20U-MT30-AP6X-H1141	M1644881	20	DC 3-wire PNP	PTFE Coated
	BI20U-MT30-AN6X-H1141	M1644889	20	DC 3-wire NPN	PTFE Coated

TURCK



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60 representations worldwide!

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