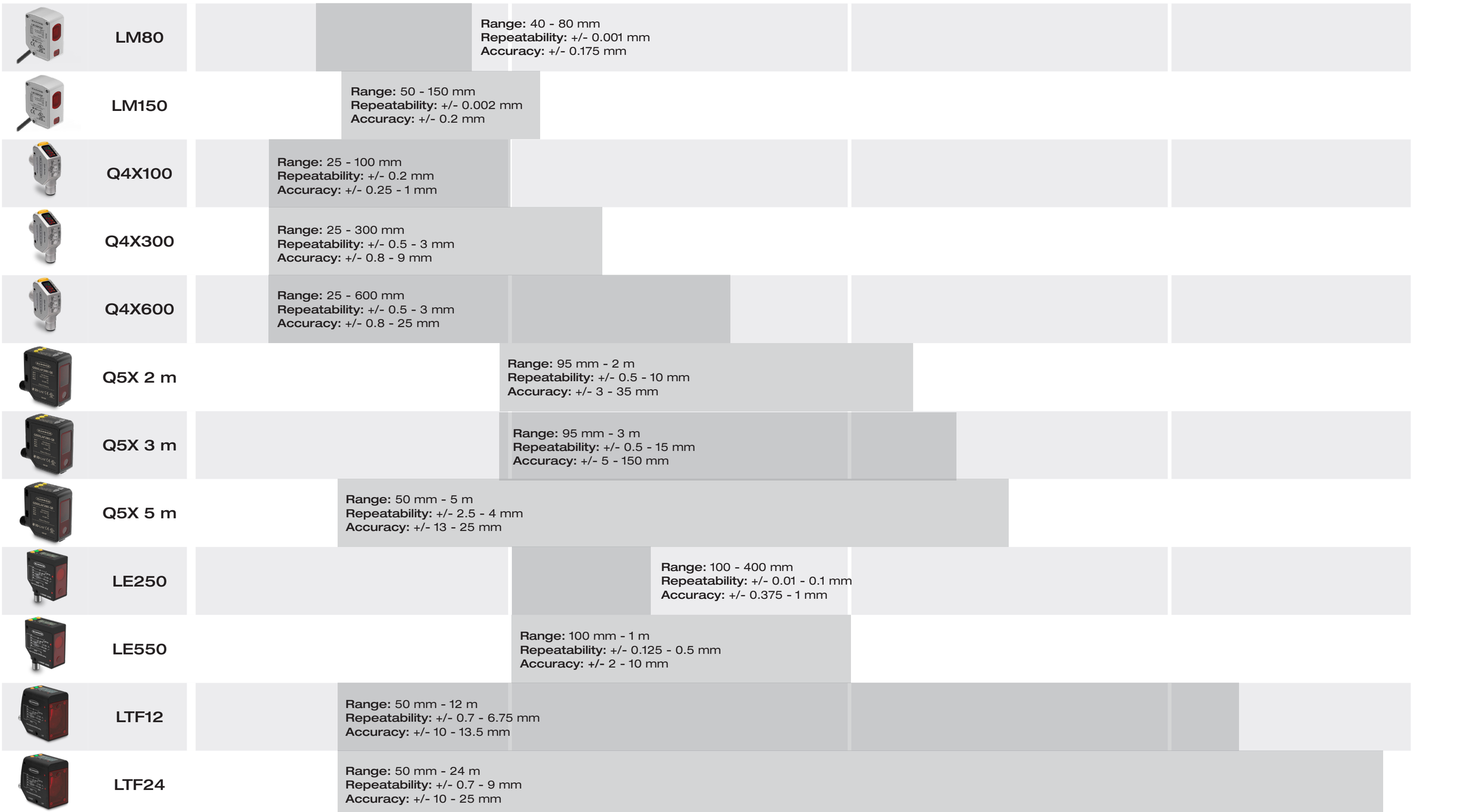
IO-Link Laser Measurement Sensor Comparison

Min. to Max. Range (mm)

Sensor	Range	Repeatability	Accuracy
LM80	40 - 80 mm	+/- 0.001 mm	+/- 0.175 mm
LM150	50 - 150 mm	+/- 0.002 mm	+/- 0.2 mm
Q4X100	25 - 100 mm	+/- 0.2 mm	+/- 0.25 - 1 mm
Q4X300	25 - 300 mm	+/- 0.5 - 3 mm	+/- 0.8 - 9 mm
Q4X600	25 - 600 mm	+/- 0.5 - 3 mm	+/- 0.8 - 25 mm
Q5X 2 m	95 mm - 2 m	+/- 0.5 - 10 mm	+/- 3 - 35 mm
Q5X 3 m	95 mm - 3 m	+/- 0.5 - 15 mm	+/- 5 - 150 mm
Q5X 5 m	50 mm - 5 m	+/- 2.5 - 4 mm	+/- 13 - 25 mm
LE250	100 - 400 mm	+/- 0.01 - 0.1 mm	+/- 0.375 - 1 mm
LE550	100 mm - 1 m	+/- 0.125 - 0.5 mm	+/- 2 - 10 mm
LTF12	50 mm - 12 m	+/- 0.7 - 6.75 mm	+/- 10 - 13.5 mm
LTF24	50 mm - 24 m	+/- 0.7 - 9 mm	+/- 10 - 25 mm