

Hokuyo Automation is one of our major suppliers which is well recognized in automation industry, especially in the field of automatic warehousing.



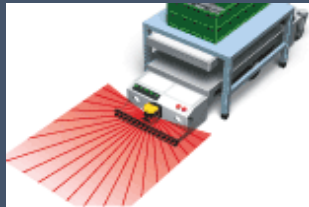
LASER SCANNER

Laser Sensor

- LEX
- LDA
- LWA
- LXA

Range Sensor

- URG-04LX
- URG-04LX-UG01
- UBG-04LX-F01
- UTM-30LX
- UXM-30LN-P
- URG-04LN
- UBG-05LN
- PBS



32 area patterns to accommodate the AGV travel path for collision prevention.



Detects humans or object entering the hazardous area.



Detects access into critical zone. Reference boundary monitoring feature improves the safety by detecting the gaps around the protection zone and sensor's misalignment.

COUNTER

Electronic Counter

- DC-JA
- DC-JB/JC
- DC-JM
- DC-M

TIMER

Digital Timer

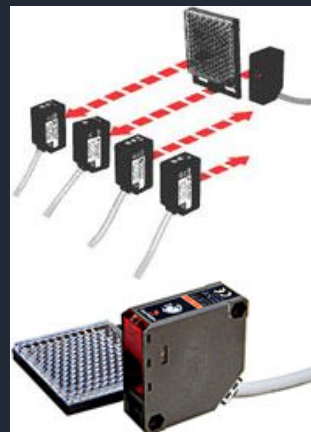
- DT-JC6-AW
- DT-JC6-DW



OPTICAL DATA TRANSMISSION DEVICE

Optical Data Transmission Device

- BWF
- CWF
- EWF
- EWF
- ISP-A1C
- DMS
- DMH
- DMG
- BNC
- DMJ



SENSOR

Photoelectric Sensor

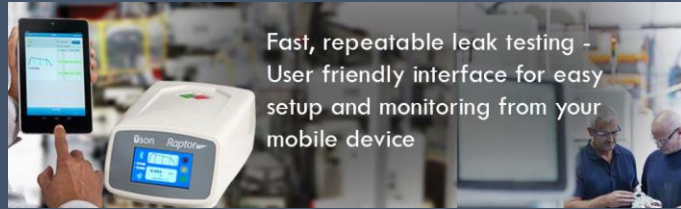
- PDF
- PVF
- PEX
- PFX
- PLX
- PD5
- PD3
- FBX
- HAS
- PD-10M/8NM



Optima vT offers Uson's industry-leading technology in a highly configurable and versatile package. A comprehensive user interface puts control and information directly in your hands via the large, clear touch screen display. reliability and advanced leak testing



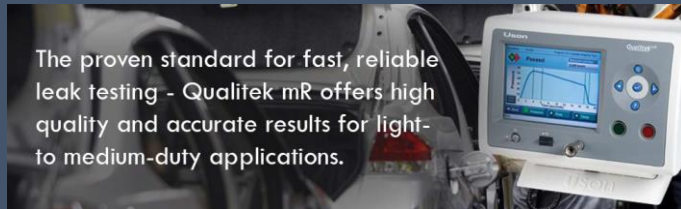
Highly sophisticated testing capabilities in a compact, user friendly Sprint iQ.



Fast, repeatable leak testing - User friendly interface for easy setup and monitoring from your mobile device



Uson leak testers ensure you maintain your high productivity while upholding your high standards



The proven standard for fast, reliable leak testing - Qualitek mR offers high quality and accurate results for light-to medium-duty applications.



Industrial PC

19" 4U Industrial PC



Backplane

Single board Computer



Industrial Panel PC

Fanless Industrial Panel PC

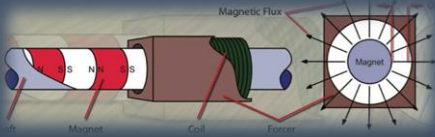


- Intel® Atom™ Processor N2600 1.6GHz
- IP65
- LED Backlight

Industrial Box PC



Linear Shaft Motor



Nippon Pulse's family of Linear Shaft Motors are the next generation linear brushless motor. When reliability, zero maintenance, zero cogging, and precision are paramount, the Linear Shaft Motors from Nippon Pulse are an ideal component choice, offering the user uncompromised performance, ease of use, compact package size, and high value.

2-phase Hybrid Stepping Motor



Tin-Can Steppers



Linear Steppers

Servo Motors & Drivers



Servo Motors Specification

motor model		01LI*S	01LI*	02LI*	04LI*	08LI*	10MI*	15MI*
Power Capacity	KW	0.1	0.1	0.2	0.4	0.75	1	1.5
Rated Torque	N.m	0.32	0.32	0.65	1.3	2.4	4.80	7.20
Maximum Torque	N.m	0.96	1.44	1.95	3.9	7.2	14.4	21.6
Rated Speed	rpm	3000	3000	3000	3000	3000	2000	2000
Maximum Speed	rpm	6000	6000	6000	6000	6000	3000	3000
Rated Current	A(rms)	1.3	1.4	1.72	2.82	5.4	5.4	8
Maximum Current	A(rms)	3.9	6.3	5.16	8.46	16.2	16.2	24
Moment of inertia	Kg.m ²	3.12E-06	4.00E-06	1.72E-05	3.0E-05	8.0E-05	1.17E-03	1.76E-03
Mechanical Constant	ms	3.95	3.48	5.28	3.95	5.20	16.64	14.96
Axle Friction Torque	N.m	0.02	0.02	0.04	0.04	0.50	0.19	0.17
Torque Constant (KT)	N.m/A	0.25	0.23	0.38	0.46	0.44	0.89	0.90
Voltage Constant (KE)	mV/rpm	22.23	19.63	36.37	39.26	38.11	75.93	75.78
Operating Temperature	°C	0~40°C						
Storing Temperature	°C	-20~80°C						
Withstand Vibration		5G						
IP Class		IP 65						

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