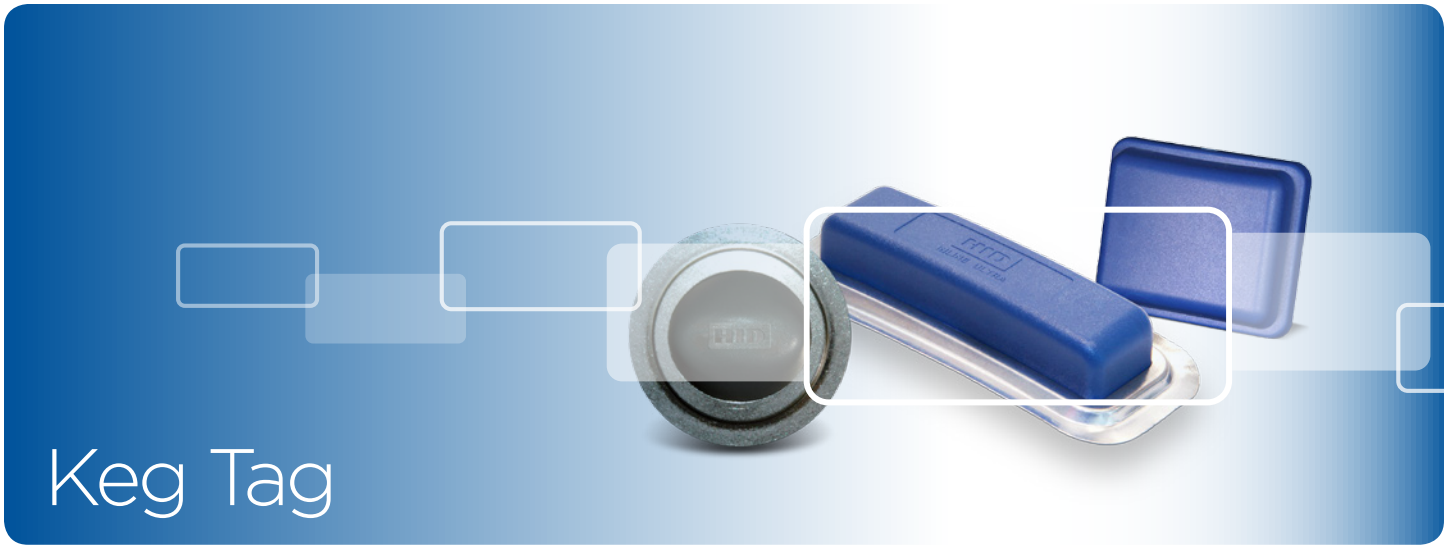

Keg Tag

LF AND UHF RFID TRANSPONDERS FOR TAGGING METAL RETURNABLE TRANSPORT ITEMS

- **Durable** – built to withstand the rigors of reusable container processing
- **Enhanced efficiency** – enable simultaneous reading of multiple containers, decreasing processing time while increasing accuracy
- **Optimized** – specifically designed for tagging metal kegs and cylinders

Keg Tag transponders enhance the inventory tracking and lifecycle management of cylindrical returnable transport items (RTI), such as beverage kegs, chemical drums and gas cylinders. Radio frequency identification (RFID) technology from HID Global can help improve operational efficiency, while ensuring safe container transport and return. Anti-collision technology speeds processing, allowing readers to communicate with multiple tags in a single pass. At the same time, information stored in each RFID tag empowers more accurate, efficient asset management.

Keg Tag transponders mount quickly with premium quality industrial glue or welding. The RFID tags are built to withstand rigorous washing and sterilization processes. Durable plastic housings guard the enclosed electronics against exposure to liquids and harsh chemicals, as well as fluctuations in temperature.

Low frequency (LF) Keg Tag transponders integrate seamlessly into many existing inventory and tracking systems. Housed in durable ABS plastic, they enable efficient near-proximity communication between RTI containers and RFID readers at key processing steps, and over the lifecycle of each container.

Ultrahigh frequency (UHF) transponders better enable real-time inventory, while slashing processing time. HID UHF Keg Tag devices allow accurate accounting of entire pallets – even full truckloads – of containers in seconds. The unique design is optimized to facilitate reliable inventory tracking amidst a dense field of objects, even when items are filled with liquids. Each container can be counted and identified as a truck pulls away from a distribution center, and again when the truck arrives at its destination. This enables full visibility not only in the warehouse, but also during transportation and on customer sites.

The durable housings of each HID UHF keg transponder are slightly curved along one axis for improved fit on round surfaces.

TECHNOLOGY HIGHLIGHTS:

- Anti-collision enables simultaneous reading of multiple tags
- Mount with industrial adhesives or weld with optional steel ring
- Low frequency (LF), 125 kHz
  - Durable ABS housing
  - Near-proximity read range
  - Up to 2048 bit EEPROM
- Ultrahigh frequency (UHF)
  - Broadband for international use 860 to 960 MHz (EU, US, JP)
  - Read range up to 26.2 ft (8 m)
  - Up to 512 bit EEPROM
- Curved for optimal fit to kegs and cylinders (flat versions also available)

APPLICATION AREAS:

- Beer kegs
- Chemical drums
- Metal gas cylinders

SPECIFICATIONS

	Keg Tag					InLine Tag® Ultra Curve
	LF				UHF	UHF
Base Model Number	623970	624970	623970-001	624970-001	6C6985/ 6C6986	6A7982
ELECTRONIC						
Operating Frequency	125 kHz				865/915 MHz (EU/US)	865-956 MHz (Worldwide)
Chip Type	Hitag S				Monza 4E	Monza 4QT
Memory	256 bit EEPROM	2048 bit EEPROM	256 bit EEPROM	2048 bit EEPROM	496 bit EPC, 96 bit TID, 128 bit EEPROM	128 bit EPC, 96 bit TID, 512 bit EEPROM
Anti-Collision	Yes					
Reading Distance (2W reader ERP, free space)	Dependent upon reader, environment and application				Up to 19.6 ft (6 m)	Up to 26.2 ft (8 m)
PHYSICAL						
Dimensions	Ø 1.32 x 0.51 in (Ø 33.6 x 12.9 mm)		Ø 1.71 x 0.51 in (Ø 43.6 x 12.9 mm)		1.3 × 1.6 × 0.4 in (33 × 40 × 9 mm); 3.0 in (75 mm) curve radius	3.5 × 1.5 × 0.6 in (88 × 37 × 15 mm); 17.7 in (450 mm) curve radius
Mounting Method	Glue		Weld		Glue	Weld
Affixes To	Beverage kegs		Steel kegs or gas bottles			
Housing Material	ABS		ABS, steel ring		PC/ABS high impact	PC /ABS, steel ring
Color	Grey				Pantone blue 287C	
Weight	0.26 oz (7.5 g)		0.35 oz (10 g)		0.4 oz (10 g)	0.5 oz (15 g)
CHEMICAL AND MECHANICAL						
Water	IP67, 68° F (20° C), 3.3 ft (1 m) x 1 h				IP69K, 176° F (80° C) 100 bar, 30 sec; IP68, 6.6 ft (2 m) x 24 h	
Withstands Exposure To	Mineral oil, petroleum, salt mist, vegetable oil; up to 80% humidity at 158° F (70° C)					
Environmental Test Conditions	68° F (20° C), 100 h					
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]					
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]					
Impact					IEC 62262-IK07	IEC 62262-IK08
Axial/Radial Force					1000 N, 10 sec	
THERMAL						
Storage	-40° to +185° F (-40° to +85° C), 1x1000h				-40° to +176° F (-40° to +80° C), 1x1000 h	
Operating Temperature	-13° to +185° F (-25° to +85° C)				-40° to +176° F (-40° to +80° C)	
Shock/Fatigue	-40° to +185° F (-40° to +85° C), 100 x 5 min with 30 sec transition					
OTHER						
Standards	ISO 17364				UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364	
Options	Custom embossed logo or tag color					
Box Size	100 pcs.				1.000 pcs.	240 pcs.
Warranty	2 Years					

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2014-10-23-hid-rfid-il-keg-tag-family-ds-en PLT-00279

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