



Xtend³

Detect adhesive and report errors instantly.

Cold glue sensor ULT-300

Hot melt sensor HLT-300

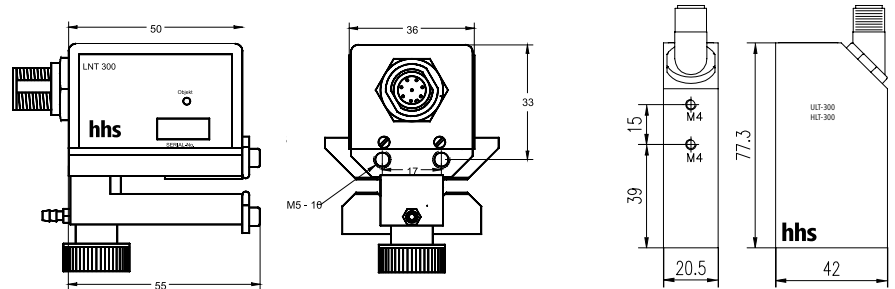
Side seam sensor LNT-300

Xtend³ adhesive sensors ULT-300, HLT-300 and LNT-300

The faster your processes, the more important is quality control. The human eye can not check any more, whether glue is applied correctly. In industries, where end customers demand 100 per cent quality, there is no other way than automatic quality assurance. The Baumer hhs sensor ULT-300 can detect cold glue application in-line before the flap is closed. The HLT-300 can do the same job with hot melt. Thanks to its principle the LNT-300 can detect cold glue on the back of a product or in between layers. In combination

with Xtend controllers both sensors detect, where adhesive is missing or applied wrong. But you can also process sensor signals in you PLC. ULT or HLT both are capable of narrow lines as well as wide coatings and even dots. The product can be paper, carton, foil, wood, metal, glass and more. The LNT additionally detects the amount of glue applied. As soon as the operator defined the tolerance for optimum adhesive application, the sensor electronics operate autonomously. Instead of sending low analogue signals

via amplifier interfaces, ULT and HLT make the decision within the sensor, whether a product is glued good or bad – the answer is purely digital. From this starting point it processes undisturbed digital signals. This results in data free of usual limitations from product speed, dot space and influences from rough industry ambience. Products with wrong glue application can be detected based on the „Fail Safe Principle“. Now manufacturers processing cold glue as well as hot melt get close to the desired dispatch of products with 100% quality.



All dimensions are subject to change.

Glue sensors

- **Mini housing** smallest dimensions
- **Digital output** simple evaluation by machine control
- **Object-signal** output for product detection

ULT-300 • HLT-300

- **All in One** sensor+logic+buttons integrated
- **Teach In-Function** simple teach in of glue application by built in buttons
- **Display** integrated signal and level display
- **As application head kit** with bracket and gun available
- **Laser** allows for precision adjustment (HLT-300 only)

LNT-300

- **Too much, too little?** The sensor also detects quantity of glue.
- **Double?** Sensor „sees through“ your product and can detect double feed.

Technical Data

	ULT-300	HLT-300	LNT-300
Measuring field	8x2	8x2	Ø 6
Distance	25±5	20±5	0
Measuring principle	Infrared	Infrared	Microwave
Operating voltage	10...30VDC	10...30VDC	5...30VDC
Object output	NPN max. 100mA	NPN max. 100mA	NPN max. 100mA
Glue output	Digital PNP max. 100mA	Digital PNP max. 100mA	Digital PNP max. 100mA

Baumer hhs offers an extensive range of gluing and quality assurance systems. For more information see www.baumerhhs.com