

# IS05 GPRS Transmitter

## Pro iSense Series



Temperature



Humidity

Part of the iSense range, the IS05-BN is a GPRS transmitter for use with high accuracy temperature and humidity sensor. GPRS transmitters include embedded Chip SIM and preconfigured to point at the Hanwell data routing service.

### Features

- ✓ Data and time stamped monitoring
  - ✓ Superior performance hardware & high accuracy sensors
  - ✓ Transmit rate increases during an event\*
  - ✓ Completely self-contained (battery operated)
  - ✓ Remote setup options
  - ✓ Data stored in non-volatile memory
  - ✓ All data recovered in the event of temporary GPRS coverage problems
  - ✓ Easy to understand journey profile information
  - ✓ Carries CE Marking
- \* If send interval is less than 2 hours. Otherwise, unit will transmit at the normal transmit interval.

### Typical Applications

- Remote locations
- Cold-Chain Distribution



Instrumentation specification	
Dimension (Excl. ancillaries)	180 x 120 x 63mm
Weight	600 grams
Power supply	2 x 1.5V Alkaline C cells or 2 x Lithium C size bobbin cell Or: 12V external power supply, 0.5A fuse protected Or: Vehicle 24V external power supply, 0.5A fuse protected
Battery Life	Up to 5 years for Alkaline batteries and Lithium batteries (based on one message a day, per 6 measurements daily, no events enabled)
Case material	Polycarbonate
Memory capacity	Up to 400K readings
Instrument measuring range	-40°C to +60°C
Instrument Operating range	Battery pack: Alkaline 0°C to +55°C Lithium -10°C to +55°C External supply: -30°C to +55°C
Storage temperature	-40°C to +80°C (without battery)
IP rating	IP67

Product code: IS05-BN

Accessories	
88702	1.5V Alkaline C cell battery
88704	3.6V Lithium C cell battery
G422	12VDC power supply
Probe options	<a href="#">Please refer to the Hanwell Pro sensor datasheet for J115 RH/T sensor specification</a>

GPRS transmitter functions	
Network compatibility	For use on GSM/GPRS networks at 850MHz to 1900MHz bands for worldwide use.
Aerial Connection	SMA connector jack, female socket 50 Ohms
Aerial Type	Stubby straight/right angle and remote mount on 2 metre cable
Software included	Install disk - software required (below)
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options

Manufactured by Hanwell | Ellab   RoHS

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# RH/T Probes cont'd

J115	Part codes	Specifications
	<b>J115</b>	<b>Humidity Probe details</b> Recommended range 0-100% RH non condensing Accuracy +/- 0.8%RH/ +/- 0.1°C at 10°C to +30°C Long term stability <1% per annum <b>Temperature Probe details</b> Temperature operating range -50°C to +100°C Temperature accuracy PT100 1/3 DIN Class B

  

Extension cables	Part codes	Specifications
2 metre cable	<b>Y527</b>	Temperature Operating range -50°C to +100°C
5 metre	<b>Y528</b>	

