

# New AT 155 ATC Transponder

## Narco's All New AT 155 Transponder features:

- Lightweight (1.5lb)
- Totally New Surface Mount Design
- High Power 100% Solid State transmitter - no warmup needed.
- Compatible with Leading Altitude Encoders & Encoding Altimeters.
- Full 4096 Code Capability.
- Large Combined IDENT Pushbutton/Interrogation Reply Light.
- Remote Ident Pushbutton Mounting Capability.
- Low Power Drain.
- Pin for pin EXACT Replacement for all Narco AT 50, AT 50A and AT 150 Transponders.

The Narco AT 155 Transponder is a self-contained, panel mounted unit meeting the FAA's tough C74c Class 1A TSO specification for ATC transponders. The AT 155 is fully TSO'd and FCC approved.

Featuring full 4096 code capability, the AT 155 is compatible with leading encoding altimeters and blind encoders such as the Narco AR850 Altitude Reporter. Code selection is done using knobs, which are easy to locate and turn while in flight.

The AT 155 is both a transmitter and receiver which responds automatically to ground based radar interrogation. The transponder reply is displayed on ATC radar displays as 2 short parallel lines which "fill in" when you "squawk Ident".

Narco quality, reliability and performance combined with compact size and **light weight** make the AT 155 the Pilot's Choice for the new millenium.

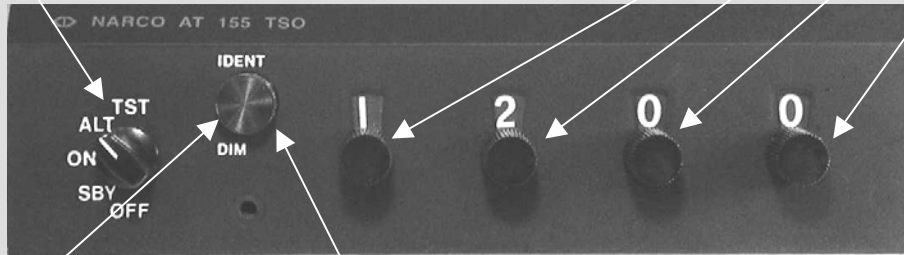


**NARCO®**  
**AVIONICS**

# AT 155

Mode Selector Switch

Code Selector Switches



Combined **IDENT**  
Pushbutton/Interrogation  
Reply Light

Reply Light Dimmer

## AR 850



The Narco AR 850, all solid state, TSO'd blind encoder is ideal for use with the Narco AT 155 and other leading brands of ATC transponders

## Performance Specifications

### GENERAL

#### Dimensions

Width 6.25" (15.9 cm)  
Height 1.75" (4.5 cm)  
Depth 11.25" (28.6 cm)

#### Weight

Panel Unit 1.5 lbs  
Antenna & Cable 0.62 lb

### POWER REQUIREMENTS

1.2 A at 13.75 Volts  
530 mA at 27.5 Volts

#### Transmitter

100% Solid State

Power 250 watts nominal  
Frequency 1090 MHz  $\pm$ 3 MHz

#### Codes

4096, Mode A and Mode A/C

#### Receiver

Frequency 1030 MHz

#### Sensitivity

-72 dBm minimum

#### Range

200 miles, line of sight

#### Altitude Reporting Capability

To 30,700 feet, 100 foot increments,  
from -1000 to +31,000 feet.  
(With Altitude Encoder)

#### TSO Compliance

The AT 155 is FAA  
TSO C74c Class 1A approved to  
30,000 feet in pressurized and  
non-pressurized fixed and  
rotor wing aircraft.



**NARCO<sup>®</sup>**  
**AVIONICS**

<sup>®</sup>Narco is a registered trademark of Narco Avionics, Inc.

<sup>©</sup>Copyright, Narco Avionics, Inc

**Fort Washington, PA 19034**

**(800) 223-3636 in U.S.A.**

**www.narcoavionics.com**