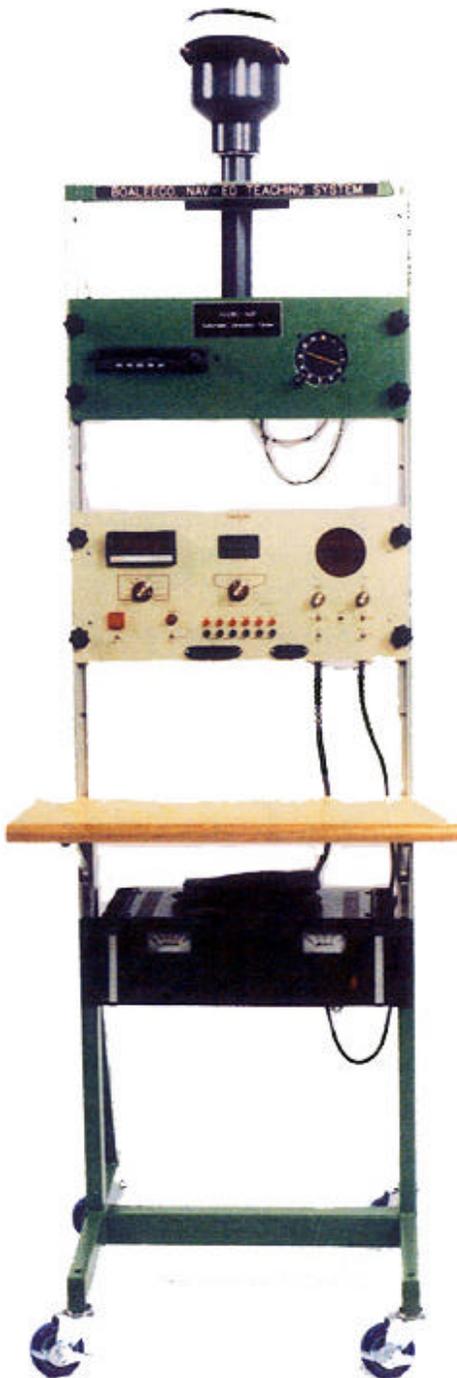


# AV280-ADF AUTOMATIC DIRECTION FINDER Avionics Trainer



The Boaleeco, AV280-ADF, avionic system trains students on actual operating aircraft Automatic Direction Finder Equipment and the related components. This mobile workstation contains either new or reconditioned aircraft ADF electronics radio, indicator, plus ADF loop and sense antenna assembly package with coax connections. Aircraft quality electrical shielded wiring, cables, connectors, and harness assemblies with tie wraps etc. are all standard. The workstation also contains a test panel console to facilitate ADF electronics bench testing.

Avionics Instructors now have the means to teach students on installing, removing, and testing using live radios and antennas. The Boaleeco, AV280-ADF, with its test panel, Manufacturer Maintenance Manual, plus carefully prepared hands-on Training Manual helps students develop proper understanding and troubleshooting of the ADF System.

The base **NAV-ed** cart is durable, built of welded steel tubing, with rugged casters providing mobility. The color coded polane paint finish, with attractive wood shelf and accessories storage case make an efficient lab workstation since the height of the ADF and test panel are adjustable for easy use and connection to test instruments.

Boaleeco, Waters Way Industrial Park  
56 Pulaski Street, Peabody, MA 01960-1834 USA  
TEL: 978-532-9266  
FAX: 978-532-9270

# NAV-ed Series

## AV280-ADF AUTOMATIC DIRECTION FINDER

### Features:

- ❖ Mobile welded steel, color-coded, open-frame cart complete with storage shelf, and (2) locking casters
- ❖ Adjustable ADF Avionics panel, complete with operational Allied Signal KR-87 Digital ADF with frequency bearing stations 200 kHz - 1799 kHz range, installation and mounting kit and indicator
- ❖ Adjustable bench tech test panel with 3 ½ digit DVM, Audio output with matched speaker, thumbwheel frequency selection with band switch, speaker load switch, ADF Ant/test switch, SLEW L/R switch, BFO/Off switch, test jacks, and power indicator lamp
- ❖ ADF sense and loop antenna assembly and coax connectors
- ❖ Power Supply, 18A, with Voltage and current meters, power cord
- ❖ Storage kit complete with: Test harness assembly, test coax cable, and installation tools
- ❖ Assembled and wired to aircraft standard FAA AC 43.13-1B

### Curriculum Includes:

- ❖ Technical Documents Reference Manual
- ❖ Student hands-on Manual with introduction, (9) hands-on activities, with wiring diagram

### Ordering Information:

AV280-ADF, Avionics ADF Trainer (120V or 230V electrical line input - specify at time of order)  
AV280-ADF-R, same as AV280-ADF with re-conditioned radio and indicator

### Suggested Test and Measurement Equipment:

Continuity Tester (VOM or DMM)

The Boaleco series of Avionics Training System includes:  
NAV-COM, ADF, DME, TXDR, Marker Beacon



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# AV4-MB MARKER BEACON Avionics Trainer



The Boaleeco, AV4-MB avionic system trains students on actual operating aircraft Marker Beacon Systems and the related components. This mobile workstation contains either new or reconditioned aircraft Marker Beacon electronics radio with built-in indicator, and a Marker Beacon antenna assembly package with coax connections. Aircraft quality electrical shielded wiring, cables, connectors, and harness assemblies with tie wraps etc. are all standard. The workstation also contains a test panel console to facilitate Marker Beacon electronics bench testing.

Avionics Instructors now have the means to teach students on installing, removing, and testing using live radios and antennas. The Boaleeco, AV4-MB with its test panel, Manufacturer Maintenance Manual, plus carefully prepared hands-on Training Manual helps students develop proper understanding and troubleshooting of an actual Marker Beacon system.

The base **NAV-ed** cart is durable, built of welded steel tubing, with rugged casters providing mobility. The color coded polane paint finish, with attractive wood shelf and accessories storage case make an efficient lab workstation since the height of Marker Beacon and test panel are adjustable for easy use and connection to test instruments.

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# NAV-ed Series

## AV4-MB Marker Beacon

### Features:

- ❖ Mobile welded steel, color-coded, open-frame cart complete with storage shelf, and (2) locking casters
- ❖ Adjustable Marker Beacon Avionics panel, complete with operational Allied Signal KR-022 self contained, receiver frequency 75 MHz, with built in indicator, installation and mounting kit
- ❖ Adjustable bench tech test panel with current meter 0—10A DC, Voltmeter 0—30VDC, panel-mounted speaker impedance matched to the phone channel and volume control, audio jack, HI/LO sense switch, Test/Receive switch, Airway, Middle and Outer Marker indicator lamps, Fused inputs, and power indicator lamp
- ❖ Marker Beacon antenna assembly and coax connectors
- ❖ Power Supply, 18A, with Voltage and current meters, power cord
- ❖ Storage kit complete with: Test harness assembly, test coax cable, and installation tools
- ❖ Assembled and wired to aircraft standard FAA AC 43.13-1B

### Curriculum Includes:

- ❖ Technical Documents Reference Manual
- ❖ Student hands-on Manual with introduction, (9) hands-on activities, with wiring diagram

### Ordering Information:

AV4-MB, Avionics Marker Beacon Trainer (120V or 230V electrical line input - specify at time of order)

AV4-MB-R, same as AV4-MB with re-conditioned radio and indicator

### Suggested Test and Measurement Equipment:

Continuity Tester (VOM or DMM)

IFR, NAV 401L, Test set

The Boaleeco series of Avionics Training System includes:

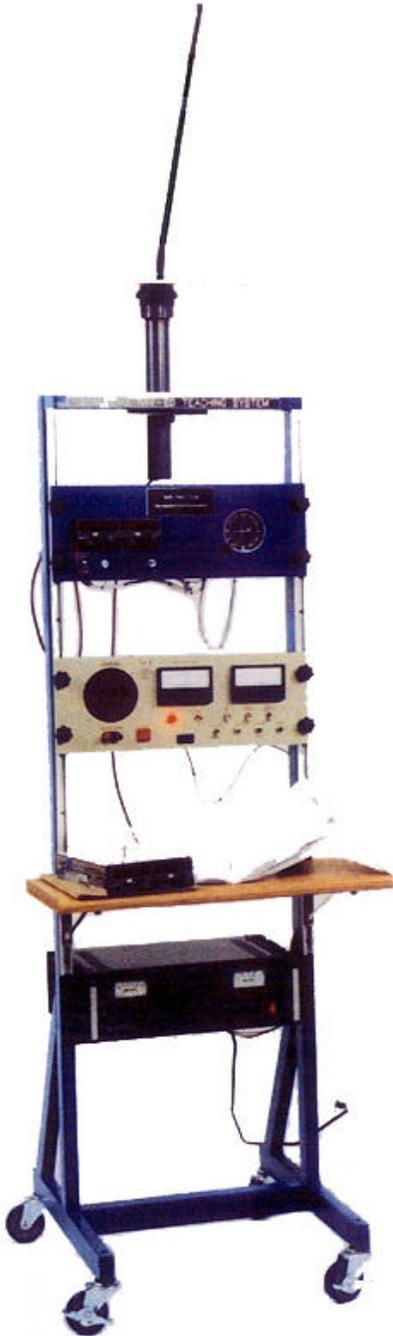
NAV-COM, ADF, DME, TXDR, **Marker Beacon**



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# AV6-NAV/COM Avionics Trainer



The Boaleeco, AV6-NAV/COM avionic system trains students on actual operating aircraft Navigation and Communication Systems and the related components. This mobile workstation contains either new or reconditioned aircraft navigation/communication electronics radio, indicator, plus two easily removed and installed antennas - a COMM antenna assembly package and the NAV antenna assembly package. Aircraft quality electrical shielded wiring, cables, connectors, and harness assemblies with tie wraps are all standard. The workstation also contains a test panel console to facilitate NAV/COM electronics bench testing.

Avionics Instructors now have the means to teach students on installing, removing, and testing using live radios and antennas. The Boaleeco, AV6-NAV/COM, with its test panel, Manufacturer Maintenance Manual, plus carefully prepared hands-on Training Manual helps students develop proper understanding and troubleshooting of the NAV/COM System.

The base **NAV-ed** cart is durable, built of welded steel tubing, with rugged casters providing mobility. The color coded polane paint finish, with attractive wood shelf and accessories storage case make an efficient lab workstation since the height of the NAV/COM and test panel are adjustable for easy use and connection to test instruments.

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# NAV-ed Series AV6-NAV/COM

## Features:

- ❖ Mobile welded steel, color-coded, open-frame cart complete with storage shelf, and (2) locking casters
- ❖ Adjustable NAV/COM Avionics panel, complete with Allied Signal KX 155 Silver Crown Plus VHF, Indicator, mic and phone jacks, install and mounting kits
- ❖ Adjustable bench tech test panel with current meter 0—15A DC, voltmeter 0—30VDC, speaker, mic jack, and power indicator lamp
- ❖ COM antenna assembly, with mounting plate and coax connectors
- ❖ NAV antenna assembly with coax connectors
- ❖ Power Supply, 18A, with Voltage and current meters, power cord
- ❖ Storage kit complete with: Test harness assembly, test coax cable, adapters, connectors, dummy load, and installation tools
- ❖ Assembled and wired to aircraft standard FAA AC 43.13-1B

### Curriculum Includes:

- ❖ Technical Documents Reference Manual
- ❖ Student hands-on Manual with introduction, (12) hands-on activities, with wiring diagram

### Ordering Information:

AV6-NAV/COM, Avionics NAV/COM Trainer (120V or 230V electrical line input - specify at time of order)

AV6-NAV/COM-R, same as AV6-NAV/COM with re-conditioned radio and indicator

### Optional Add accessories:

AV6-ACC1, Headphones and mic option

AV6-NAV/COM-GS, Glide slope option

### Suggested Test and Measurement Equipment:

Continuity Tester (VOM or DMM)

IFR NAV/401L, COMM/NAV Test set

The Boaleeco series of Avionics Training System includes:

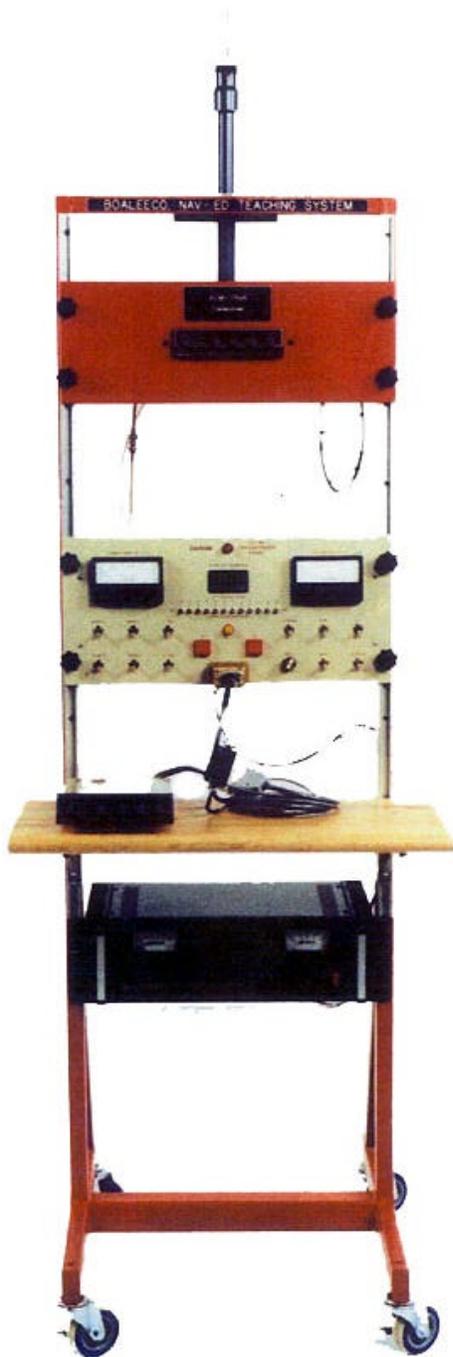
[NAV-COM](#), ADF, DME, TXDR, Marker Beacon



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# AV3B-TRAN TRANSPONDER Avionics Trainer



The Boaleeco, AV3B-TRAN avionic system trains students on actual operating aircraft Transponder Systems and the related components. This mobile workstation contains either new or reconditioned aircraft transponder electronics radio, built-in indicator, plus transponder antenna assembly package with coax connections. Aircraft quality electrical shielded wiring, cables, connectors, and harness assemblies with tie wraps etc. are all standard. The workstation also contains a test panel console to facilitate TXPDR electronics bench testing.

Avionics Instructors now have the means to teach students on installing, removing, and testing using live radios and antennas. The Boaleeco, AV3B-TRAN with its test panel, Manufacturer Maintenance Manual, plus carefully prepared hands-on Training Manual helps students develop proper understanding and troubleshooting of the Transponder System.

The base **NAV-ed** cart is durable, built of welded steel tubing, with rugged casters providing mobility. The color coded polane paint finish, with attractive wood shelf and accessories storage case make an efficient lab workstation since the height of the Transponder and test panel are adjustable for easy use and connection to test instruments.

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56 Pulaski Street, Peabody, MA 01960-1834 USA  
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FAX: 978-532-9270

# NAV-ed Series

## AV3B-TRAN TRANSPONDER

### Features:

- ❖ Mobile welded steel, color-coded, open-frame cart complete with storage shelf, and (2) locking casters
- ❖ Adjustable Transponder Avionics panel, complete with operational Allied Signal KT 76A Transponder with installation and mounting kit
- ❖ Adjustable bench tech test panel with current meter 0—10A DC, Volt meter 0—30VDC, Mode A encoder wheel, toggle switches for encoding pulse positions in mode A or C, mode control for A, B, C, and D modes, ident switch, Lo-sense switch, reply sense control, STBY/OFF switch, STBY/ON switch, DC and AC fused input, and power indicator lamp
- ❖ Transponder antenna assembly and coax connectors
- ❖ Power Supply, 18A, with Voltage and current meters, power cord
- ❖ Storage kit complete with: Test harness assembly, test coax cable, adapters, and installation tools
- ❖ Assembled and wired to aircraft standard FAA AC 43.13-1B

### Curriculum Includes:

- ❖ Technical Documents Reference Manual
- ❖ Student hands-on Manual with introduction, (9) hands-on activities, with wiring diagram

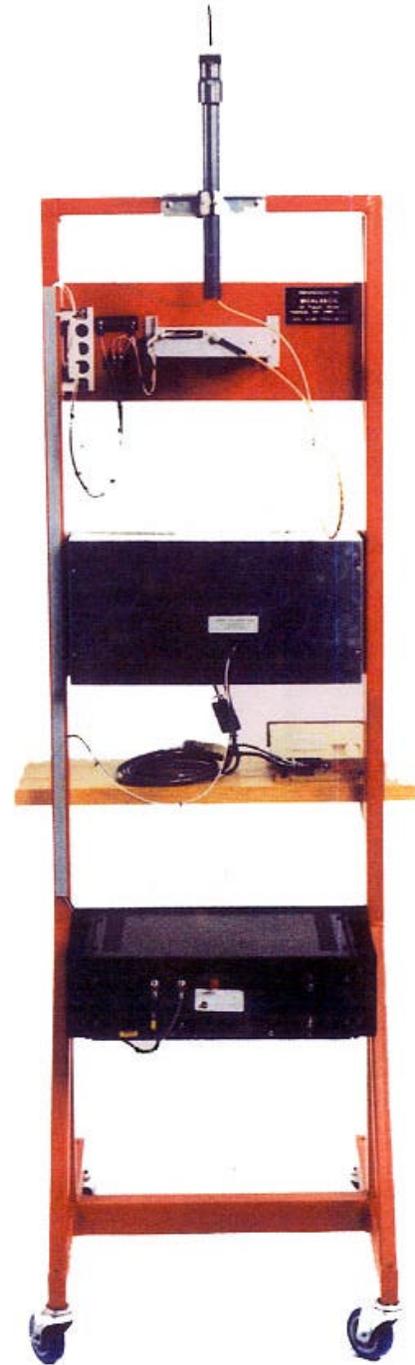
### Ordering Information:

AV3B-TRAN, Avionics Transponder Trainer (120V or 230V electrical line input - specify at time of order)  
AV3B-TRAN-R, same as AV3B-TRAN with re-conditioned radio and indicator

### Suggested Test and Measurement Equipment:

Continuity Tester (VOM or DMM)  
IFR, ATC 600, Test set

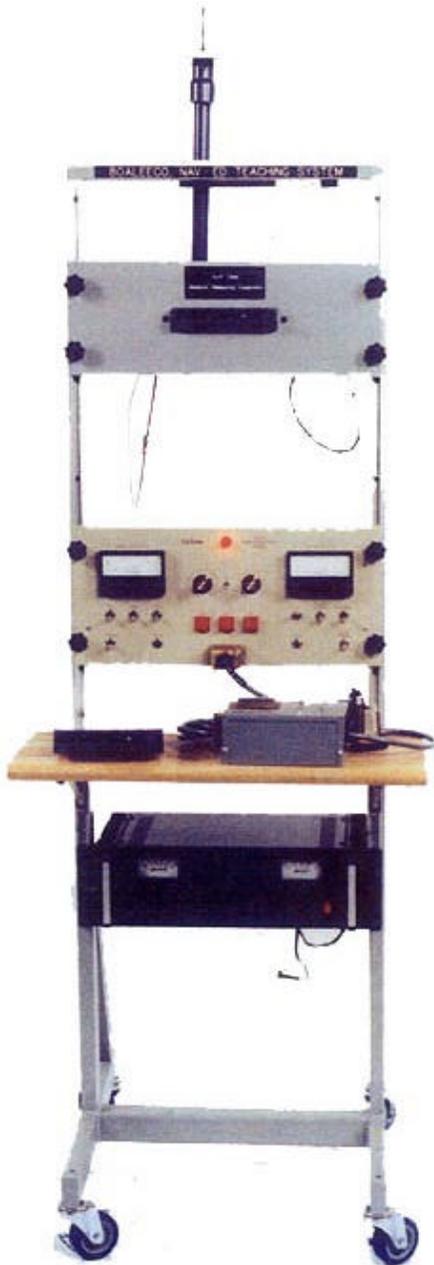
The Boaleeco series of Avionics Training System includes:  
NAV-COM, ADF, DME, **TXDR**, Marker Beacon



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# AV4-DME DISTANCE MEASURING Avionics Trainer



The Boaleeco, AV4-DME avionic system trains students on actual operating aircraft Distance Measuring Equipment Systems and the related components. This mobile workstation contains either new or reconditioned aircraft DME electronics radio with built in indicator, and a DME antenna assembly package with coax connections. Aircraft quality electrical shielded wiring, cables, connectors, and harness assemblies with tie wraps etc. are all standard. The workstation also contains a test panel console to facilitate DME electronics bench testing.

Avionics Instructors now have the means to teach students on installing, removing, and testing using live radios and antennas. The Boaleeco, AV4-DME with its test panel, Manufacturer Maintenance Manual, plus carefully prepared hands-on Training Manual helps students develop proper understanding and troubleshooting of an actual DME system.

The base **NAV-ed** cart is durable, built of welded steel tubing, with rugged casters providing mobility. The color coded polane paint finish, with attractive wood shelf and accessories storage case make an efficient lab workstation since the height of the DME and test panel are adjustable for easy use and connection to test instruments.

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# NAV-ed Series

## AV4-DME DISTANCE MEASURING

### Features:

- ❖ Mobile welded steel, color-coded, open-frame cart complete with storage shelf, and (2) locking casters
- ❖ Adjustable DME Avionics panel, complete with operational Allied Signal KN-0062A capable of Simultaneous DME Distance, ground-Speed and time-to-station, or DME distance and Internally selected frequencies, installation and mounting kit
- ❖ Adjustable bench tech test panel with current meter 0—10A DC, Volt meter 0—30VDC, panel-mounted jack for AC volts, audio jack, 200 channel parallel frequency control head panel switches to include: on/off, DME-RNAV, standby, Standby Override, Fan and Test. Fused input power, and power indicator lamp
- ❖ DME antenna assembly and coax connectors
- ❖ Power Supply, 18A, with Voltage and current meters, power cord
- ❖ Storage kit complete with: Test harness assembly, test coax cable, adapters, and installation tools
- ❖ Assembled and wired to aircraft standard FAA AC 43.13-1B

### Curriculum Includes:

- ❖ Technical Documents Reference Manual
- ❖ Student hands-on Manual with introduction, (10) hands-on activities, with wiring diagram

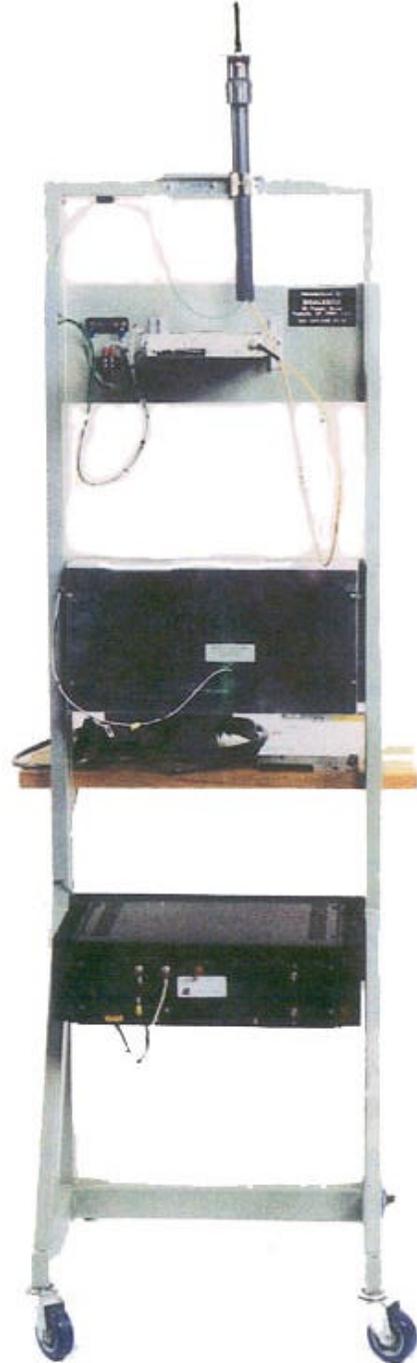
### Ordering Information:

AV4-DME, Avionics DME Trainer (120V or 230V electrical line input - specify at time of order)  
AV4-DME-R, same as AV4-DME with re-conditioned radio and indicator

### Suggested Test and Measurement Equipment:

Continuity Tester (VOM or DMM)  
IFR, ATC 600, Test set

The Boaleeco series of Avionics Training System includes:  
NAV-COM, ADF, DME, TXDR, Marker Beacon



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