United Instrument Manufacturing Corporation

Rostec

DME/N
RMD-P-2010

DISTANCE MEASURING EQUIPMENT
(LANDING)

POLET

Distance measuring landing radio beacon (DME) RMD-P-2010 is intended for measuring of distance from aircraft to runway threshold onboard during approach and landing.

MAIN FEATURES:
• the beacon is recommended by ICAO as a main aid of an aircraft approach and landing;
• state-of-the-art engineering desing;
• specifications meet ICAO requirements, exceed by distance precision;
• 100% backup on main equipment;
• programmable digital shaping of modulated signals;
• keyboard data input;
• continuous tolerance check of radiated signals;
• built-in test control;
• remote control and setting of main parameters through telephone line by modem from PC;
• option of integration with the control system of navigational and landing complex ILS SP-2010 / MRK RMM-200 / VOR RMA-2010 / DME RMD-2010 / NDB RMP-200 / DME/P RMD-P-2010 is available in a single cabinet.

COMPONENT PARTS:
• RMD-P-2010 cabinet;
• remote control cabinet (option);
• programmable command complex;
• RMD-P-2010 antenna.

DME/N RMD-P-2010
DISTANCE MEASURING EQUIPMENT (LANDING)

SPECIFICATIONS OF RMD-P-2010

Format of signal:	DME/N
Range at the altitude 600 m, at least	50 km
Polarization	vertical
Frequency range , MHz	960-1215
Error by the radio beacon in measuring of distance, not more	+/-50 m
Coverage zone horizontal plane	
sector relatively runway	+/-35°
vertical plane	0-40°
Shape of pulse, pulse space, delay, number of frequency code channels-	
	as per ICAO requirements
Traffic capacity, at least	100 aircraft

Tolerance Check
Check of Parameters - as per ICAO requirements

Operating Conditions
   Outside shelter

Temperature	- 50 to + 50 °C
Wind Load	up to 50 m/s

   Inside shelter

Temperature	- 10 to + 50 °C
Relative humidity	up to 98% at +25°C

Power Supply

Main circuit, one phase	187-264V, 47-63Hz
Consumed power, not more	
main equipment	200 VA
Emergency power supply with accumulator battery, not less	2 hrs

Reliability

MTBF	35 000 hrs
Service life	15 years

* specifications are subjected to change without prior notice