Index of Refraction (IOR) Correction for Infrared Electric Distance Measuring Equipment (EDME) *GTA 05-02-017

Purpose: Use this graphic training aid (GTA) when operating infrared distance measuring equipment (DME.) See Field Manual (FM) 3-34.331 for more information.

To use this table:
1. Find the recorded temperature on the left side of the table.
2. Follow that row across to the column listing the recorded pressure.
3. The number at that intersection is the **IOR correction in parts per million (ppm) for infrared EDME** for the temperature and pressure.

NOTE: Temperatures must be in degrees celcius (^{o}C) and pressure in millimeters of mercury (mm Hg). Temperatures need only be to the nearest degree and pressures to the nearest 5 millimeters.

February 2001

Headquarters, Department of the Army

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*This publication supersedes GTA 5-2-17, May 1987

Pressure (mm Hg)

Temperature ^{o}C	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790
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49	65	64	62	60	59	57	56	54	52	51	49	47	46	44	42	41	39	38	36	34	33	31	29	28	26	24	23	21	20
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Pressure (mm Hg)

Temperature °C	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790
18	43	41	39	37	35	34	32	30	28	26	25	23	21	19	17	16	14	12	10	8	6	5	3	1	-1	-3	-4	-6	-8
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