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Electrical Conductivity of various fluids for MAG Meter Flow Meters in Micro Siemens/cm ($\mu\text{S}/\text{CM}$) TacticalFlowMeter MAG meters require a MINIMUM of 5 $\mu\text{S}/\text{CM}$ conductivity to read the flow.

Conductivity > 20 $\mu\text{S}/\text{CM}$

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| Acetamide |
| Acetic acid* |
| Aluminium chloride, 80% |
| Aluminium fluoride |
| Aluminium nitrate |
| Aluminium potassium sulfate |
| Aluminium sulfate, 50% |
| Ammonia |
| Ammonium bicarbonate, 50% |
| Ammonium bifluoride, 50% |
| Ammonium bisulfate |
| Ammonium carbamate, 50% |
| Ammonium carbonate, 50% |
| Ammonium chloride |
| Ammonium fluoride, 50% |
| Ammonium hydroxide |
| Ammonium iodide |
| Ammonium nitrate |
| Ammonium persulfate |
| Ammonium phosphate |
| Ammonium sulfate |
| Asphalt emulsion |
| Barium chloride |
| Barium hydroxide, 50% |
| Barium nitrate |
| Barium sulfate |
| Barium liquor |
| Boric acid, 50% |
| Brine |
| Butyric acid* |
| Cadmium bromide |
| Cadmium chloride, 50% |
| Cadmium iodide, 45% |
| Cadmium nitrate, 48% |

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| Cranberries, crushed |
| Cream cheese mix |
| Cupric chloride |
| Cupric nitrate, 50% |
| Cupric sulfate |
| Ferric chloride, 50% |
| Ferric nitrate, 10% |
| Ferric sulfate, 10% |
| Ferrous chloride, 10% |
| Ferrous sulfate, 50% |
| Fluosilicic acid |
| Formaldehyde, 35% |
| Formic acid (all conc.) |
| Fruit juices |
| Fudge |
| Gallium |
| Germanium tetrabromide |
| Glucose |
| Glutamic acid |
| Green liquor |
| Hydriodic acid, 5% |
| Hydrobromic acid, 15% |
| Hydrochloric acid (all conc.) |
| Hydrocyanic acid |
| Hydrofluoric acid, 48% |
| Hydrogen peroxide* |
| Hydrogen sulfide |
| Hypochlorous acid, 80° F |
| Iodic acid |
| Lactic acid, 10-85% |
| Latex |
| Latex paint |
| Lead nitrate, 60% |
| Lime (calcium hydroxide) |

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| Mercury |
| Milk (skim and regular) |
| Molasses |
| Nickel chloride, 20% |
| Nickel nitrate, 10% |
| Nickel sulfate |
| Nitric acid (all conc.) |
| Oleum |
| Oxalic acid (all conc.) |
| Paper pulp |
| Phosphate slurry |
| Phosphoric acid, 30% |
| Phosphoric acid, 80% |
| Photographic emulsion |
| Polystyrene |
| Potassium acetate |
| Potassium bromide, 36% |
| Potassium carbonate, 50% |
| Potassium chloride, 21% |
| Potassium cyanide, 6% |
| Potassium fluoride, 40% |
| Potassium hydroxide, 42% |
| Potassium iodide, 55% |
| Potassium nitrate, 22% |
| Potassium oxalate, 10% |
| Potassium sulfate, 10% |
| Potassium sulfide, 47% |
| Propionic acid, 70% |
| Silver nitrate, 60% |
| Sodium acetate, 32% |
| Sodium carbonate, 15% |
| Sodium chloride, 26% |
| Sodium hydroxide, 50% |
| Sodium iodide, 40% |

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| Cadmium sulfate, 36% |
| Calcium bisulfite |
| Calcium bromide |
| Calcium carbonate |
| Calcium chlorate, 30% |
| Calcium chloride, 90% |
| Calcium hydroxide |
| Calcium hypochlorite, 6% |
| Calcium nitrate, 50% |
| Coffee extract |
| Cola syrup |
| Copper nitrate, 35% |
| Copper ore slurry |
| Copper sulfate, 17% |

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| Lithium carbonate |
| Lithium chloride |
| Lithium hydroxide |
| Lithium iodide |
| Lithium sulfate |
| Maleic acid |
| Malic acid |
| Magnesium carbonate, 10% |
| Magnesium chloride |
| Magnesium nitrate |
| Magnesium sulfate |
| Manganese chloride |
| Mercuric bromide*, 42% |
| Mercuric chloride, 60% |

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| Sodium nitrate, 30% |
| Sodium sulfate, 15% |
| Sodium sulfide, 18% |
| Strontium chloride, 22% |
| Strontium nitrate, 35% |
| Sugar solution dilute, 5% |
| Sulfuric acid |
| Titanium dioxide, 100% |
| Toothpaste, 100% |
| Urea, 100% |
| Zinc chloride, 60% |
| Zinc oxide, 100% |
| Zinc sulfate, 30% |

Conductivity between 1- 20 μ S/CM

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| Acetaldehyde, 100% |
| Acetonitrile |
| Acetyl bromide |
| Alizarin, 100% |
| Allyl alcohol |
| Arsenic tribromide |
| Arsenic trichloride |
| Benzyl alcohol |
| Capronitrile |
| Carboxylic acid |
| Corn syrup |
| Chloroacetic acid |
| Ethyl thiocyanate, 100% |
| Formamide |

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| Furfural |
| Gin, 90 proof |
| Hydrogen cyanide |
| Hydrogen peroxide, 90% |
| Isopropyl alcohol |
| Mercuric bromide, 22% |
| Methyl acetate |
| Methyl nitrate |
| O-Toluidine, 100% |
| Phenyl isothiocyanate |
| Phosphorous oxychloride |
| Sulfonyl chloride |
| Sugar solution, pure |
| Vodka, 100 proof |

Conductivity between 0.5 - 1 μ S/CM

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| Chlorohydrin, 100% |
| Diethyl oxalate, 100% |
| Ethyl nitrate, 100% |
| Nitromethane, 100% |
| Proionaldehyde, 10% |

Conductivity less than 5 μ S/CM MAG Meter will not read these fluids. Use either our Vortex Flow Meter, Turbine Flow meter or our Clamp On Ultrasonic Flow Meter

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| Acetic acid, 99.7% | Dimethyl sulfate, 100% | Oleic acid, 100% |
| Acetic anhydride, 100% | Epichlorohydrin, 100% | Oxygen, 100% |
| Acetone (80°F) | Ethyl acetate, 100% | Paint enamel, 100% |
| Acetophenone, 100% | Ethyl acetoacetate, 100% | Parafin wax, 100% |
| Acetylene chloride, 100% | Ethyl alcohol, 100% | Peanut butter, 100% |
| Adipic acid, 100% | Ethylamine, 100% | Pentane, 100% |
| Ammonia, 100% | Ethyl benzoate, 100% | Petroleum, 100% |
| Aniline, 100% | Ethyl bromide, 100% | Phenetole, 100% |
| Animal fat, 100% | Ethylene bromide, 100% | Phenol, 100% |
| Anthracene | Ethylene chloride, 100% | Phosgene, 100% |
| Benzaldehyde, 100% | Ethyl iodide, 100% | Phosphorous, 100% |
| Benzene, 100% | Ethyl isothiocyanate, 100% | Pinene, 100% |
| Benzoic acid, 100% | Eugenol, 100% | Piperidine, 100% |
| Benzonitrile, 100% | Fuel oil, 100% | Piperidine, 100% |
| Benzylamine, 100% | Glycerol, 100% | Propionitrile, 100% |
| Benzyl benzoate | Glycol, 100% | M-Propyl alcohol, 100% |
| Bromine, 100% | Guaiacol, 100% | M-Propyl bromide, 100% |
| Bromobenzene, 100% | Heptane | Pyridine, 100% |
| Bromoform, 100% | Hydraulic fluid, 100% | Quinoline, 100% |
| Iso-butyl alcohol, 100% | Hydrogen bromide, 100% | Salicylaldehyde, 100% |
| Butyric acid, 100% | Hydrogen chloride, 100% | Soybean oil, 100% |
| Carbon disulfide, 100% | Hydrogen iodide, 100% | Starch, 100% |
| Carbon tetrachloride, 100% | Hydrogen sulfide, 100% | Stearic acid, 100% |
| Chlorine, 100% | Ink, 100% | Sulfur, 100% |
| M-Chloroaniline, 100% | Iodine, 100% | Sulfur dioxide, 100% |
| Chloroform, 100% | Kerosene | Toluene, 100% |
| Chocolate liquor, 100% | Lard, 100% | P-Toluidine, 100% |
| M-Creosol, 100% | Methyl alcohol, 100% | Trichloroacetic acid, 100% |
| Cyanogen, 100% | Methyl ethyl ketone, 100% | Trimethylamine, 100% |
| Cymene, 100% | Methyl iodine, 100% | Turpentine, 100% |
| Dichloroacetic acid, 100% | Methyl nitrate, 100% | Iso-valeric acid, 100% |
| Dichlorohydrin, 100% | Naphthalene, 100% | Vegetable oil, 100% |
| Diethylamine, 100% | Nitrobenzene, 100% | Water (dist.), 100% |
| Diethyl carbonate, 100% | O-OR-M-Nitrotoluene, 100% | Xylene, 100% |
| Diethyl sulfate, 100% | Nonane, 100% | |