Vaisala Forward Scatter Sensor FD70

VAISALA

Product Spotlight

Trusted aviation weather from cloud to ground

Get unsurpassed precipitation sensitivity and reliable visibility measurement in all weather conditions.

Protect lives and optimize airport operations. Get unparalleled accuracy and reaction time to make the most informed decisions possible.

Key benefits

Full industry compliance with ICAO, FAA, and WMO regulations.

Advanced software security to prevent unauthorized access.

Comprehensive reporting includes visibility, present weather, precipitation accumulation, temperature, humidity, droplet size distribution fall speed distribution, kinetic energy, and radar reflectivity.

Minimized measurement disturbances with features such as down-looking geometry, contamination compensation, flying insect filtering and high-power heaters.

Why Vaisala?

For over 45 years, Vaisala has been a pioneer in aviation weather technology, ensuring that every measure is taken for unparalleled safety, efficiency, and sustainability.

Our gold standard suite of solutions is trusted in more than 170 countries and over 2000 airports globally. In fact, every commercial flight around the world will use weather observations produced by Vaisala equipment or forecasts driven by our sensor measurements at some point in their journey.

With a commitment to constantly evolving our portfolio, Vaisala remains at the forefront of the industry, continuously exploring new horizons.

Applications

- Measure real-time visibility (MOR) for assessing aeronautical visibility and RVR
- Monitor present weather for airport and synoptic weather observations
- Identify freezing conditions that trigger safety protocols
- Utilize precipitation intensity and accumulation information for runway maintenance and nowcasting

Present weather identification available in FD70

- Drizzle
- Rain
- Snow
- Snow grains
- Ice crystals
- Ice pellets
- Freezing drizzle
- Freezing rain
- Snow pellets
- Hail
- Fog
- Mist
- Haze
- Sand
- Dust

Ref. B212135EN-F

INVISIBLE LASER RADIATION
DO NOT VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS
CLASS 1M LASER PRODUCT

vaisala.com/FD70