



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Series 8130 Remote Terminal Unit System.

8130 RTUab1. Power Supply.
NI / I / 2 / ABCD / T3C Ta = 70°C
a = Power: 0, 1, or 2.
b = Category: 0, 1, 2, 3, 4, or 5.

8201. Digital I/O Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

820a-0. Analog Input Module.
NI / I / 2 / ABCD / T3C Ta = 70°C
a = Channels: 2 or 5.

8203. Dual RS485 Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8204. Multi-Function Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8206. Pulse Input Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8207. Analog Output Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8208. Dual TIWAY Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8209. Dual TK Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8210. Mark/Space Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C



8211. Current Loop Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8212. SAAB Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8213. V1 Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8214. Advance Communication Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8215. Tank Gauge Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8216. LON Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

8217. Dual RS232 Interface Module.
NI / I / 2 / ABCD / T3C Ta = 70°C

820a-b. Analog Input Module.
NI-ANI / I / 2 / ABCD / T3C Ta = 70°C-012422; NI Field wiring
Output Parameters:

Voc (V)	Isc (mA)	Po (W)	Ca (μF)	La (mH)
26.8	159	1.1	0.3	2.5

a = Channels: 2 or 5.
b = Category: 1 or 2.

Special Conditions for Use:

1. The 8130 Remote Terminal Unit System shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application

Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C, & D, with nonincendive field wiring connections to Class I, Division 2, Groups A, B, C, & D indoor hazardous (classified) locations, in accordance with installation drawing 012422 The Series 8130 RTU system has a Temperature Class of T3C @ 70°C.

Approved for:

Endress + Hauser Systems and Gauging Inc.
5834 Peachtree Corners East
Norcross, GA 30092





This certifies that the equipment described has been found to comply with the following FM Approval Standards and other documents:

Class 3600	1998
Class 3810	1989
Class 3611	1999

Original Project ID: 3015423

FM Approval Granted: April 24, 2003

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
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FM Global Technologies LLC

David W. Styracula
Technical Team Manager

4/25/03
Date