

|             |                        | Predicted labels |                        |               |                |                     |                    |               |
|-------------|------------------------|------------------|------------------------|---------------|----------------|---------------------|--------------------|---------------|
|             |                        | Normal           | SurroundingEnvironment | HardwareFault | ParamViolation | RegulationViolation | CommunicationIssue | SoftwareFault |
| True labels | Normal                 | 129              | 0                      | 2             | 1              | 0                   | 0                  | 0             |
|             | SurroundingEnvironment | 1                | 9                      | 0             | 0              | 0                   | 0                  | 3             |
|             | HardwareFault          | 0                | 0                      | 27            | 0              | 0                   | 0                  | 1             |
|             | ParamViolation         | 0                | 0                      | 2             | 8              | 0                   | 0                  | 0             |
|             | RegulationViolation    | 0                | 0                      | 0             | 0              | 3                   | 0                  | 0             |
|             | CommunicationIssue     | 0                | 0                      | 0             | 0              | 0                   | 3                  | 0             |
|             | SoftwareFault          | 3                | 0                      | 2             | 1              | 0                   | 0                  | 14            |